

Bruce C. Chittenden
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OBJECTIVE College Professor teaching Computer Science with a focus on System Software, specifically Operating Systems, Programming Languages, Compiler Construction, Formal Linguistics, Automata Theory.

QUALIFICATIONS Results oriented executive with in-depth experience in software and hardware strategic planning, product design, and product development. The ability to bring products to market quickly while managing the bottom line. Strong team building skills with the ability to provide vision, focus, and motivation

EDUCATION University of Hawaii
MS Computer Science

University of Missouri
BS Mathematics

EXPERIENCE

August 2012 –
present

Hampton University, Hampton, VA
Assistant Professor

Teaching several courses in Computer Science. Courses taught include CSC 120 - Introduction to Computers, CSC 151 - Computer Programming I (Java), CSC 215 - Discrete Structures, CSC 404 - Software Engineering I, CSC 405 - Software Engineering II.

August 2010 -
June 2012

Governor's School for Science and Technology, Hampton, VA
High School Computer Science Teacher

The Governor's School offers a distinguished science curriculum to the region's gifted high school students. The Governor's School provides a cohesive, innovative science and mathematics program which embraces quality programming standards for gifted students as recommended by the Virginia Department of Education and the National Association for Gifted Children. I am teaching Computer Science to High School Juniors at the Governor's School specifically because I wanted to get young people excited about Computer Science. I start the course using the Greenfoot Technology (Greenfoot is a two-dimensional graphical Java development for creating interactive games and simulations) so the students start out having fun learning to program in Java. As the students become comfortable with the concepts of computer programming, I move the class into programming in the C and C++.

August 2010 -
May 2012

Thomas Nelson Community College, Hampton, VA
Adjunct Professor Computer Science

Teaching dual credit courses at the Governor's School for Science and Technology. Courses taught include ITP 130 - "C" Programming I and ITP 132 - C++ Programming.

January 2009 -
May 2011

Tidewater Community College, Chesapeake, VA
Adjunct Professor Computer Science

Teaching several courses in Computer Science. Activities include curriculum development, course delivery, and distance learning thru the BlackBoard facility. Courses taught include ITN 171 - UNIX I, ITN 271 - UNIX II, ITP 136 - C# and .NET, ITP 100 - Software Design (Alice), and ITP 100 - Software Design (Greenfoot).

July 2005 -
August 2010

KidsChairs, Inc., Virginia Beach, VA
President

KidsChairs, Inc. manufactures Children's Furniture and sells retail throughout North American via the Internet. In August 2005, I purchased the assets of Kids Chairs from MNJGroup, Inc. I then incorporated these assets under the corporate name KidsChairs, Inc. (www.kidschairs.com). I relocated the company from Fredericksburg, Virginia to Virginia Beach after the Christmas Holidays. MNJGroup was selling Children's Furniture that was focused on the low-end of the market with marginal product quality. I changed the focus of the product line to a more high-end market and significantly increase the product quality. During the next year I expanded the product line from two successful products to ten successful products. I hired a staff, brought the inventory under control, purchased a manufacturing facility, and I established marketing campaigns (pay-per-click) with over 1500 keywords with Google, Yahoo, and MSN. The company is now positioned for a significant expansion as the revenues dictates.

November 2001—
December 2004

Vericept Corporation, Englewood, CO
Senior Vice President of Engineering

Responsible for the management of Engineering and Technical Support. Managed and grew the Engineering Organization for 14 people to 23 people and grew revenue from \$1.7 million in 2001 to \$10.7 million in 2004. Vericept develops, markets, and sells a network monitoring product designed to help with compliance and regulator issues such as Sarbanes-Oxley, GLBA, HIPAA, and CA SB 1386. The product also monitors for typical form network abuse such as downloading music and videos, gambling, adult content, etc. Achievements: Moved the company from a failing Hardware Device Company to Software Company, Rebuilt the Engineering Organization with a strong College Recruiting Program, Established solid software release procedures and bug tracking, Implemented a salary structure, Aligned salaries to fair market value, and Created a fun and productive environment for Software Development.

October 2000 -
April 2001

MessageMedia, Inc., Boulder, CO
Chief Technical Officer

Responsible for the management of Engineering with offices in Boulder and Huntsville and Information Technology with operations in Boulder and Denver. Responsible for the development of all software for the Packaged Products, the ASP Products, and the software used in the fully Outsourced Products. Responsibility for IT Operations for the ASP Products and Outsourced Products. MessageMedia's primary business is permission-based e-mail marketing and customer communications with heavy concentration in the dot com space. Started with an organization size of 125 people (75 in Engineering and 50 in IT) with a budget of \$12.1 million. Downsized the organization in December 2000 to an organizational size of 96 people (55 in Engineering and 41 in IT) with a budget of \$9.9 million. Downsized the organization again in April 2001 to an organizational size of 65 people (49 in Engineering and 16 in IT) with a budget of \$5.8 million.

November 1993 -
October 2000

Citrix Systems, Inc., Fort Lauderdale, FL
Senior Vice President of Software Products

Citrix Systems, Inc. is a NASDAQ 100 and an S&P 500 Company. Responsible for the management of a world-wide Engineering Organization with offices in Sydney, Tokyo, London, Cambridge, Fort Lauderdale, Salt Lake City, and Redmond. Managed and grew the Engineering Organization from 22 to over 400 people worldwide. During this period revenues grew from \$1.8 million in 1992 to \$403 million in 1999. Responsible for a worldwide product development budget of over

\$50 million. Achievements: Developed a solid Engineering Organization with a strong management team, Defined the product development cycle, Established the software release procedures, Implemented a sophisticated bug tracking system, Implemented an employee ranking and salary review system, Designed and implemented an Engineering pay program, and Developed a world-wide college recruiting program.

March 1993 -
November 1993

UNIQUEST, Inc., Jacksonville, FL

Vice President of Engineering and Manufacturing

Responsible for the management of the Engineering and Manufacturing Organizations with offices in Jacksonville, Atlanta, Philadelphia, Chicago, and San Francisco. Responsible for the development of all hardware and software products. Managed an Engineering organization of 75+ people with a budget of \$7.3 million and a Manufacturing organization of 15+ people with a budget of \$0.7 million. UNIQUEST provides vertical application solutions using both hardware and software. Some of the vertical applications solutions that we developed were Automatic Checkout Machine, complete Enterprise Systems for Retailing, Time & Attendance and Labor Scheduling, Food Service, Payment Processing System, and Mobile Dispatching. The vertical market segments that we serviced were Retail, Grocery, Healthcare, Hospitality, Restaurant, Utility & Government, and Distribution. UNIQUEST's growth was through acquisitions, 11 in 3 years. Personally participated in 4 acquisitions; Concept Systems Incorporated, Advanced Cybernetics Inc., Peter R. Johnson & Associates, and Fisher Business Systems.

July 1991-
March 1993

Computone Corporation, Roswell, GA

Executive Vice President

Responsible for Product Planning and Product Development of all hardware and software products. Developed a one-year product calendar and a three-year technology road map. Consolidated two divisions of the now defunct World-Wide Technologies, Inc. into a single company and a single Engineering Organization. Directly involved with the management of the business, which included Budgets, Forecasts, Presentations to the financial community, a Private placement that raised \$7.8 million in working capital, Writing sections for 10K filings, 10Q filings, and S1 stock registration. Negotiated hardware and software development contracts, License agreements, OEM and distribution agreements, and Manufacturing rights. Involved with legal issues including several law suits resulting from the discontinued operations of World-Wide Technologies, Inc.

April 1984-
July 1991

The Santa Cruz Operation, Inc., Santa Cruz, CA

Vice President of Engineering

Responsible for the management of a multi-national Engineering Organization with sites in Santa Cruz, London, and Toronto. Responsible for product development in four major business areas (Multi-user Systems, Workstations, Networking, and Personal Productivity Applications). Managed and grew the Engineering Organization from 35 to over 300 people worldwide. During this period revenues grew from \$3 million in 1984 to \$135 million in 1991. Responsible for a worldwide product development budget of \$18.6 million and directly managed a budget of \$12.8 million for Santa Cruz Engineering. Achievements: Developed a solid Engineering Organization with a strong management team, Defined the product development cycle, Established the software release procedures, Implemented a sophisticated bug tracking system, Established a project budgeting and tracking system, Defined and implemented the policies and procedures for the day-to-day operation of Engineering, Implemented an employee ranking and salary review system, Designed and implemented an Engineering pay program, and Developed a nation-wide college recruiting program.

- October 1980-
April 1984
- Paradyne Corporation, Largo, FL**
Engineering Director
Responsible for choreographing the product strategies for the Office Products Division. This included a Terminal Product Line, a PC compatible machine, and a Micro-Computer based family of products.
- Engineering Manager**
Responsible for the design and development of a Micro-Computer based product line running Western Electric Version Seven UNIX. Programming Languages: C, Z8000 Assembler Languages, Z80 Assembler Language.
- September 1978-
June 1980
- University of South Florida, Tampa, FL**
Adjunct Professor
Taught graduate course in computer security.
- July 1977-
October 1980
- Honeywell Avionics, St. Petersburg, FL**
Senior Design Engineer
Responsible for the design and implementation of a KSOS (Kernelized Secure Operating System) for the Honeywell Level 6. This operating system is UNIX compatible and was formally proven secure using the verification tools at Standard Research Institute. Ported the Western Electric UNIX Version Six to the Honeywell Level 6. Programming Languages: ASM, C, PASCAL, PL/1.
- June 1974-
July 1977
- Honeywell Information System, Phoenix, AZ**
System Engineer
Responsibility for the design and implementation of security in WWMCCS Systems for the Honeywell 6000 Series to meet Defense Communication Agency standards for computer security. Programming Languages: GMAP, PL/1.
- June 1970-
June 1974
- University of Hawaii, Honolulu, HI**
Research Director
Designed and developed a Basic compiler for an IBM 360/65 OS-MVT HASP accessible both to batch and interactive via TSO. This compiler was designed specifically for beginning computer science students and great detail was given to error messages. Programming Languages: ALGOL, BAL, BASIC, COBOL, FORTRAN, LISP, PL/1, SNOBOL, SPL, XPL.
- June 1970-
June 1974
- U.S. Navy, Pearl Harbor, HI**
System Programmer
Designed and developed a tape library system for the Honeywell 6000 to provide complete tape file security. Responsible for the installation and maintenance of new software releases. Designed and developed an operating system for the IBM 360/20. Programming Languages: BAL, COBOL, FORTRAN, GMAP, RPG.

PUBLICATIONS

- May 2012
- “Some Thoughts on Software Engineering”, Virginia Academy of Science, Norfolk, Virginia
- May 2011
- “On the Use of Technologies such as Alice, Greenfoot, and Scratch to Teach Computer Science to High School Students”, Virginia Academy of Science, Richmond, Virginia
- May 2011
- “On e-mail Reputation”, Virginia Academy of Science, Richmond, Virginia
- August 1989
- Managing Software Development", SCO Forum 89, Santa Cruz.

November 1985 "MICRO-MAINFRAME CONNECTION", Session Chairman, Corporate PC Conference, Los Angeles

September 1985 "UNIX to HOST Communications", Session Chairman UNIX-EXPO 85, New York.

January 1985 "Interfacing Networks to UNIX", Uniforum 1985, Dallas.

April 1982 Bruce Chittenden, James Hyde, and Jeffrey P. Radick, "A Scheme for Terminal I/O Not Requiring Interrupts", 21st Annual Southeast Regional ACM Conference.

September 1980 "The UNIX Timesharing System for the Honeywell Level 6", TECHS 5 Symposium.

April 1979 Bruce Chittenden and Paul J. Higgins, "The Security Kernel Approach to Secure Operating Systems", 17th Annual Southeast Regional ACM Conference.

November 1977 "Specification of Software as Finite State Automata", Mini Montreal 1977 Symposium.

April 1977 "Operating System Enhancements to Reduce Security Threats", Computer Security and Privacy Symposium.

April 1977 "Specification of Software as Finite State Automata", Honeywell Software Productivity Symposium

PATENTS

October 2003 Method and Apparatus for Name Resolution in a Multi-User System, Application Serial No. 60/513,882

February 2000 Sport Apparatus Locator Device, Patent Number 6,020,818

May 1979 Electronic Bicycle Odometer and Speedometer, Patent Number 4,156,190

MILITARY

Viet Nam Veteran, U.S. Navy, January 1970 - June 1974. Honorable discharge.

REMARKS

Commercial Pilot, Airplane Single and Multi-engine Land, Rotorcraft-Helicopter, Instrument Airplane. Interests include aerobatic flying, photography, hiking, and snow skiing.

REFERENCES

Personal and Professional References available upon request.