

QUALIFICATIONS

- MS in Computer Science, thus well-versed in data structures, algorithms, and design.
- Skilled in Linux/Unix and Windows environments.
- **Languages** - *extensive experience*: Java, Python, C++, C, SQL – *moderate experience*: C#, Haskell, HTML/CSS, Bash shell scripting – *some experience*: Ruby (on Rails).
- Very comfortable in object oriented design and implementation.
- Experienced in relational database management systems; designed a database in PostgreSQL with a web front-end for querying.
- Enjoyed 10 years of customer-related positions, thus embodying effective communication with peers and drive for enjoyable and professional relationships with team members.
- Never once had to stay up late to finish an assignment; always had programs and projects completed early.

EXPERIENCE

- Built a domain web crawler in C# to aid in the work of a Ph.D. student.
- Worked as a member of a Senior Capstone software engineering team to develop a course scheduling web app for various Portland State University departments using Ruby on Rails.
- Learned a new language (Python) and developed a three-week project (a basic IRC client/server program) in 5 days.
- Developed an open source package of LADSPA (Linux Audio Developers Simple Plug-in API) plug-ins in C for audio editing effects.
- Created a GUI application for correcting underexposed videos in C++/CLI and OpenCV.
- Produced a “MiniChess” program with artificial intelligence in Java.
- Worked with a partner to develop a Linux device driver for communicating with LED lights using a Teensy microcontroller.
- Constructed a program with a partner to detect collisions of moving circles using Haskell and OpenGL.
- Built a basic pre-visualization program for cinematographers in C++/OpenGL.

EDUCATION

2010-2011	M.S., Computer Science, Portland State University 3.87 GPA. Courses taken include: Mastery in Programming, Programming Languages, Concepts of Operating Systems, Relational Database Internals, Internet Protocols, Artificial Intelligence, Parallel Programming, Multimedia Computing and Networking, and Computational Photography.
2007-2010	Bachelor of Science, Computer Science, Portland State University 3.91 GPA. Courses taken include: Software Engineering, Software Engineering Capstone, Data Structures, Algorithm Complexity, Language and Compiler Design, Intro to Operating Systems, Open Source Software Development.
1998-2002	Associates Degree, Clackamas Community College – General Studies

WORK HISTORY

- 2010-2011** **Portland State University, Computer Science Department, Portland, OR**
Graduate Research Assistant
- Conducted over a dozen interviews with researchers from various domains.
Developed a mockup presentation of a tool for data analysts to make their work easier to document and manage
- 2010** **Portland State University, Computer Science Department, Portland, OR**
Undergraduate Research Assistant
- Wrote a web domain crawler in C# that stored URL links into a PostgreSQL database, a program to gather and store URL tags from Delicious.com in Java, and a program that calculated the shortest paths between all pages in the website domain using the Floyd-Warshall algorithm.
- 2004-2010** **Bob's Red Mill Store, Bob's Red Mill, Milwaukie, OR**
Assistant Store Manager, 2005-2010
Store Clerk, 2004-2005
- 2000-2004** **Regal Entertainment Group, Regal Cinemas, Portland/Vancouver.**
First Assistant Manager, 2003-2004
Assistant Manager, 2002-2003
Floor Staff Member, 2000-2002

AWARDS/HONORS

- 2010** Graduated *Magna Cum Laude*, Portland State University
- 2008** Inducted into the *Phi Kappa Phi* Honors Society, Portland State University
- 2007-2011** Portland State University: *Dean's List* (x5)
Portland State University: *President's List* (x3)
- 1998** *Clackamas High School Honors Scholarship*, Clackamas Community College
- 1998** *Valedictorian*, Clackamas High School