

SUMMARY

Highly creative and versatile software engineer skilled in object oriented design. Professionally experienced with the full software life cycle in an enterprise environment. Comfortable working both individually, and in a team setting.

TECHNICAL SKILLS

Languages: Oracle(PL/SQL, Pro*C, SQR), Web(HTML, CSS, XML, wiki), shell, vbscript, javascript, perl, C/C++, etc.

Concepts & Structures: data mining, reporting, user interface design, data architecture, automation methods,

OOA/OOD, UML, parallel systems, pattern recognition, signal processing, machine learning, artificial intelligence

Software: SQLPlus, SQL Navigator, Windows, OS X, various *nix, Microsoft Office, Xcode, Visual Studio, OpenOffice, Photoshop, Pagemaker, Dreamweaver, Logic, Final Cut Pro, etc.

Other Skills: General Office Skills, Computer Repair, Electronics, Networking, Cabling, Web Design, Graphic Design, Audio Engineering, Video Production

PROFESSIONAL EXPERIENCE

Programmer Analyst 2, Student System Support / Contract Application Engineer, Application Services **Portland, OR**
Portland Community College (Contracting via Robert Half Technology) March 2010 – Present

- Researched report writer solutions for the DegreeWorks ERP module, including needs analysis, testing, functional evaluation, and service evaluation
- Installation and implementation of the Argos report writer tool for deployment against DegreeWorks and Banner, including heavy report design, customization, back end data optimization, as well as working directly with both systems and functional staff to assess design needs
- Streamlined and increased automation between PCC and the WebForms reporting system, and work as a technical point-of-contact for other systems as well
- Built auto-awarding system including cross-database data analysis in a user-customizable environment
- Help with maintaining, optimizing and troubleshooting other Banner related projects as needed
- Primarily worked in SQL and application-specific IDEs, with some work in SQR, shell, and other languages as needed

Teaching Assistant, Maseeh College of Engineering & Computer Science **Portland, OR**
Portland State University April 2008 – June 2009

- Tutored students in CS106, an entry level course for students learning computer programming fundamentals but not in a computer science related program. Heavily focused on communication, and done with Visual Basic 2005/2008.
- Tutored CS161/162/163 and 202, the basic courses for freshman/software computer science students in C++, teaching concepts ranging from basic formatting up through polymorphic hierarchies and advanced algorithms/data structs.
- Minor tutoring for a number of other topics, including networking, computer architecture, functional programming, etc.

Analyst Programmer II, Enterprise Application Services, Office of Information Technology **Fairbanks, AK**
University of Alaska, Statewide October 2004 – June 2007

- Designed, created, and maintained university-wide software applications used throughout the entire state.
- Worked all levels, from requirements gathering and design, through large and small scale testing, to documentation.
- Example projects:
 - Worked in a 10-person team going through the entire set of customized code written for the University system and proceeding to test, debug, update, and streamline all the code for a back end upgrade by a hard fall term deadline.
 - Primary designer/developer in a 3-4 person team, creating a completely new integrated system system for maintaining information on scholarship students statewide, replacing a manual paper-based system.

Networking, User Services & Web Authoring Assistant, Division of Computing & Communications **Fairbanks, AK**
University of Alaska, Fairbanks August 1999 – August 2003

- Worked in all three departments as a student worker, helping with and independently working on many varied tasks.
- Helped significantly with maintaining and distributing documentation, including video-based documentation.
- Designed and created the department's website as well as working on and maintaining the campus website.
- Scripting in PHP, VBscript, JavaScript, Perl, coding in C/C++
- Microcomputer (Mac/Windows) and networking equipment (primarily Cisco) analysis, repair, and maintenance

EDUCATION

Portland State University **Portland, OR**
Master of Science in Computer Science 2007 – 2009

- GPA 3.87, Specialized in Intelligent and Adaptive Systems under Prof. Melanie Mitchell and Prof. Bryant York
- Selected Courses: Advanced Programing, Artificial Intelligence, Computer Graphics, Concepts of Modern Operating Systems, Independent Research in Parallel AI , Inter-networking Protocols, Machine Learning, Modern Language Processors, Network Management & Security, Parallel Algorithms, Software Engineering, etc.

University of Alaska, Fairbanks **Fairbanks, AK**
Bachelor of Science in Computer Science & Bachelor of Arts in Music 1999 – 2004

- GPA 3.63, Graduated Cum Laude with Honors
- Member of Golden Key National Honor Society
- Selected Courses: Assembly Language Programming, Analysis of Algorithms, Computer Based Music Technology, Composition, Computer Graphics, Cryptography, Differential Equations, General Physics, etc.

OTHER SKILLS AND INTERESTS

- aikido, amateur film making, animation, biking, crafting, digital art, games, music production, new technology, science, tinkering, zymurgy

REFERENCES AVAILABLE UPON REQUEST