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| Education | |  |  | | --- | --- | | Missouri University of Science and Technology | August 2009 – May 2013 | | **B.S. Computer Science**  **B.S. Computer Engineering**  Minor in Mathematics | **Major GPA: 3.23**  **Major GPA: 3.73**  Cumulative GPA: 3.009 | |
| Professional Experience | |  |  | | --- | --- | | Microsoft Corporation  **Software Engineer** | Redmond, WA  July 2013 – Present | | * Works with a feature team to design, build, and test new features. * Development and optimization of testing automation (C#) and infrastructure. * Maintenance of several specific test deployments for different customer environment scenarios. * Create and assess the effectiveness of automated and manual test plans. * Sole owner of many product areas, including almost all testing for an entire product. * Orchestrate and organize testing with an offsite vendor team to increase our throughput. * Participant in BlueHat security conference, bringing knowledge back to team for improvement. * //oneweek Hackathon project developed into full product feature. * Submitted a patent application for a new idea to utilize technologies. * Acted as head recruiter for several recruiting trips to Universities. * Intern coordinator in charge of organizing dozens of events for about 30 interns. | | | National Information Solutions Cooperative (NISC)  **Programming Intern** | Lake St. Louis, MO  May 2011 – December 2012 | | * Worked with other interns to develop an end-user software package from start to finish, integrating our system to use data from other systems. * Utilized mainly Java and Google Web Toolkit, and light use of PHP and Javascript. * Worked closely with cloud clusters, using Ganglia to generate cluster statistics for our program to display. * Continued to work remotely after internship – using Java and GWT, mainly performing various bug fixes in existing software. * Regularly assigned change requests to fix and submit. * Mentored the new interns, helping them take their own project from start to finish. * Presented final product in formal presentation to company heads. * Developed 3-4 independent projects from concept to reality. * Learned several new programming languages on the fly. * Introduced to distributed computing and storage. * Gleaned valuable insight on group mechanics. | | | Product Innovation and Engineering, L.L.C.  **Undergraduate Research Assistant** | Rolla, MO  October 2010 – May 2011 | | * Developed on an industry-grade project that guides and analyzes laser deposition of a 3D model. * Program and interface were written in C#, which I was commonly tasked with fixing and testing. * Interfacing with the Open CASCADE software development platform was a heavy component of this project. * I was our primary contact with an external consulting group that we worked with to develop several algorithms. * First-hand experience with the difficulties in taking a concept and producing a physical product. * Learned how to communicate officially and professionally. * Introduced to new coding platforms and styles. | | |
| Additional Experiences | |  |  | | --- | --- | | ACM SIG-Game  **Competitor / Developer** | Rolla, MO  August 2010 – May 2013 | | * Joined the development team to improve limited Java support * Modifying the code generator (Python) to allow for better object-oriented designs * Introduced team to PyCharm IDE and integrated with tools for faster, more reliable development * Contributed to game design and mechanics for several games * Significant efforts on testing backend server and client code for competitors to use | | | Best Buy Co., Inc.  **Counter Operations Agent (Geek Squad)** | Manchester, MO  September 2008 – January 2012 | | * I performed basic diagnosis and repair of hardware and software problems * Commonly offered advice and recommendations; tracked current computing trends. * Maintained a consistent job through much of High School and College. | | |
| Interests | |  |  |  | | --- | --- | --- | | Recruiting and Mentoring  Women in Tech  Skiing, Hiking, Soccer | Maker Community  Puzzles & Coding Challenges  Jazz Trumpet | Security and InfoSec  Hackathons  Planes and Spacecraft | |
| Honors | Member of Kappa Kappa Psi – Honorary Band Fraternity  4 Microsoft shipping awards  ACM Member and SIG-Game Developer  Missouri Higher Education Scholarship (Bright Flight – ACT 31) |