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| roryohayes@gmail.com | **Rory Hayes** | [https://roryhay.es](http://roryhay.es)/ |

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| Education | |  |  | | --- | --- | | Missouri University of Science and Technology | August 2009 – May 2013 (4 years) | | **B.S. in Computer Science**, **B.S. in Computer Engineering**, and a Minor in Mathematics | | |
| Experience | |  |  | | --- | --- | | Microsoft Corporation  **Software Engineer** | Redmond, WA  July 2013 – Present | | * Develops and optimizes testing automation (C#) and infrastructure. * Designed, planned, and managed critical migration of massive test case database. (1st of its kind) * Maintained several specific test deployments needed for testing different customer scenarios. * Sole owner of many product areas, including all testing for an entire box product. * Orchestrates testing with an offsite vendor team to increase testing capacity and throughput. * Filed a patent application for a new application of existing technologies. * Acts as head recruiter for recruiting trips to several Universities, attending career fairs, etc. * Intern Social Club Leader: responsible for organizing dozens of events for ~30 interns every summer, and volunteering on Intern Day of Caring at Lambert House LGBTQ Youth Center. * 2014 Hackathon project recognized and developed into full CRM product feature. * 2016 Hackathon project recognized and **<<REDACTED>>**. ;) | | | Technology Education and Literacy in Schools (TEALS)  **Volunteer Teaching Assistant** | Issaquah, WA  September 2016 - Present | | * Teaching high school students AP Computer Science, for them to obtain college credit. * Developing curriculum (Java), tests, quizzes, homework, labs, grading, etc. * In-classroom volunteering 3 days/week before ordinary daily work. | | | Conscious Crew  **Volunteer Roaming Crew** | Seattle, WA  October 2016 - Present | | * Harm reduction non-profit which promotes health and safety in the dance music community. * First responder to medical and psychological emergencies at large concerts and festivals. * Keep patrons cool and hydrated, provide protection, interface between crowd and event staff. | | | National Information Solutions Cooperative (NISC)  **Programming Intern / Part Time Developer** | Lake St. Louis, MO  May 2011 – December 2012 (1.5 years) | | * Created from scratch (Java/GWT) an end-user dashboard which predicted future electric load based on previous usage and other relevant factors like current and upcoming weather patterns. * The Smart meter data utilized was retrieved from Cassandra cluster and bucketed by Hadoop. * Worked on internal tooling around cloud clusters, using Ganglia to monitor cluster statistics. * Mentored the new interns, helping them take their own projects from start to finish. * Took 3-4 projects from concept to reality; presented final products to company heads. | | | Product Innovation and Engineering, L.L.C.  **Undergraduate Research Assistant** | Rolla, MO  October 2010 – May 2011 (6 months) | | * Developed an industry-grade program that analyzes, slices, and then guides laser deposition of a powered metal, based on a 3D model. Laser is mounted to a 6-axis robotic manufacturing arm. * Primary contact with an external consulting group we hired to develop several algorithms. | | | ACM SIG-Game  **Competitor / Volunteer Developer** | Rolla, MO  August 2010 – May 2013 (3 years) | | * Worked on the development team to improve limited Java support by improving code generator. * Revised internal tooling and established new standard development tools for the team. * Significant testing of the backend server and client code competitors use. | | |
| Interests | |  |  |  | | --- | --- | --- | | * Recruiting, Mentoring * Women in Tech * Skiing, Hiking, Soccer * World Travel | * Maker Community * Puzzles & Coding Challenges * Trumpet (Concert, Jazz), Piano * Electronic Music | * InfoSec, Privacy * Hackathons * Planes (earning PPL), Spacecraft * Hobby RC and Multirotors | |
| Certifications,  Honors, and Activities | * Life Member of Kappa Kappa Psi, the Honorary Band Service Fraternity * CPR/AED/First Aid Certified * Bellevue Community Band Member, Trumpet * Co-founder of the “Church of the Singularity”, a Github org dedicated to creating Deus Ex Machina(s) |