

Eli Simon Forbes

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EDUCATION

Bachelor of Science, Computer Science

GPA: 3.86

Washington State University

August 2015 - May 2019

Courses include: Program Design & Development, Advanced Data Structures, Object-Oriented Software Principles, Algorithm Design & Analysis, Programming Language Design, Database Systems, Computer Security, Computer Networking, Human-Computer Interaction, Web Development, and File Systems & Operating Systems in Linux.

SKILLS

- Back-end: C# .NET Core, C++, Java, Python, SQL, Docker, Kubernetes.
- Front-end: HTML, CSS, TypeScript, JavaScript, React, Redux, Power BI, Angular, WordPress, Android Studio.
- Experienced with Azure, Azure DevOps, Atlassian DevOps Suite, Git, and Agile Development methods.
- Critical thinker, active communicator, passionate, resourceful, reliable, fast learner, team player.

EXPERIENCE

Tata Consultancy Services - Software Engineer

July 2019 - Present

- Developed front-end features in TypeScript and React-Redux to enrich the AzureCXP platform's user experience.
- Enhanced supporting infrastructure in Azure to enable greater scalability within the AzureCXP platform.
- Integrated Cypress Testing with Azure DevOps Pipelines and Test Plans to enable Test Automation in CI/CD with multiple levels of reporting, and traceability from development artifacts to test results.
- Designed, developed, and maintained an internal full-stack application which visualizes tasks in a customer report.

WSU - Project Lead Developer - Cronus Monitoring

August 2018 - May 2019

- Produced a Distributed Application capable of quick deployment to Kubernetes Clusters, which aggregates Kubernetes, System, and Application metrics into a Time Series Database for visualization through Grafana.
- Enabled monitoring and alerting on various metrics through Kapacitor.
- Implemented CI/CD/CT with Jenkins, Selenium WebDriver, and Siege on a test environment within Skytap Cloud.
- Worked on behalf of Skytap to produce the system.
- Utilized Kubernetes, Helm, Telegraf, InfluxDB, Kapacitor, Grafana, and Skytap Cloud to create the modified stack.

CDK Global - Software Development Intern

June 2018 - August 2018

- Designed, developed, tested, and deployed a web-based administrator's tool to the CDK Global Cloud.
- Actively worked within a team and used Agile Development methods to achieve the desired business result.
- Gained hands-on experience with JavaScript, React, Redux, Docker, Java, Spring, SQL, and Git.

Program Design & Development in C - Teaching Assistant

August 2017 - May 2018

- Taught weekly lab sessions and introduced critical programming concepts to students using C.
- Graded weekly quizzes and assignments, as well as exams, while providing valuable feedback to students.

Personal Projects

August 2017 - May 2019

"The Merchant's Mate" Applications

- Actively taught myself about website development by creating 3 similar applications using different stacks.
- Utilized ASP.NET with C#, Android Studio alongside Java, and React on top of JavaScript.

Teaching Assistant Website - Designed as a learning experience and resource for students.

EXTRACURRICULAR

Association for Computing Machinery (ACM)

August 2017 - May 2019

Chair [Past: Secretary (August 2017 - May 2018)]

- Worked with the Voiland College of Engineering and Architecture (VCEA) and the School of Electrical Engineering and Computer Science to integrate clubs as guest speakers for various classes.
- Supervised the annual CrimsonCode Hackathon as Executive Chair.
- Dedicated to providing students a head start on their career, and giving them real-world experience with different technologies through tech talks, information sessions, a hackathon, and more for students to learn from.

CrimsonCode Hackathon

August 2017 - May 2019

Executive Chair [Past: Logistics Director (August 2017 - May 2018)]

- Responsible for driving the vision of the CrimsonCode Hackathon, which occurs each spring and draws over 300 participants, and many companies beyond the college to collaborate, learn, and make their ideas a reality.
- Primary leader of a team of 15 organizers during planning and execution of the event.