

EDUCATION

BS, Computer Science (Minor in Mathematics) | Purdue University, West Lafayette, IN **08/2018 – 12/2021**

- 3.80 GPA; Dean's List (7x); Semester Honors (7x)

CAREER HISTORY

Associate Software Engineer | FRB of Chicago, Chicago, IL **08/2021 – Present**

- Cultivate strong consultative relationships with cross-functional colleagues to scope requirements and provide effective support and solutions, including feature additions, security enhancements, and scalable designs
- Partner with the Operations team to review and triage bugs that appear in Production as the principal point of contact for a critical legacy Spring application – advising on and personally fixing bugs as necessary
- Delivered an automation project to create AWS Lambdas that interacted with S3 to enable the Operations team to create backups of data currently in production
- Analyzed multiple applications utilizing JUnit and JMeter before transforming out-of-date failing regression tests by incorporating mainstream product workflows – reducing the time spent by AppDevs triaging bugs

Software Engineering Intern | FRB of Chicago, Chicago, IL **06/2020 – 08/2020 & 06/2021 – 08/2021**

- Resolved vulnerabilities across a range of internal Spring applications by analyzing Contrast Security results and upgrading versions of libraries retrieved via Maven, while also refactoring code that accepted unsanitized inputs
- Planned and rolled out project frameworks updates (including Angular) to more recent versions
- Consulted AppDevs to gather requirements before creating scripts to streamline staging database changes in Bash, with a 7-stage end-to-end testing suite running automatically within GitLab CI/CD after each code change

Teaching Assistant for CS180 (Introduction to Java Course) | Purdue University, Indiana **01/2019 – 05/2020**

- Served as a point of guidance and advice for students regarding lab assignments and Java inquiries
- Provided 24/7 remote support, while nurturing trusting relationships to promote the academic development and Java knowledge of students
- Created numerous homework assignments and projects covering fundamental topics

PROJECTS

<https://aorlowski.com> **React, AWS, Terraform**

- Serverless portfolio website with the frontend written in React and hosted using Route53, S3, and CloudFront. Uses a certificate to sustain a HTTPS connection.
- Backend utilizes API Gateway, Lambda, and DynamoDB to provide a rolling count of users that access the webpage.
- All related infrastructure is entirely maintained by Terraform (Infrastructure as Code) allowing for easy tear-down, build-up, and updates.

CERTIFICATIONS

HashiCorp Terraform Associate, AWS Certified Cloud Practitioner, AWS Certified Solutions Architect Associate

SKILLS & STRENGTHS

Expert: Java, Spring, JUnit, Selenium, Terraform, JMeter, Maven, Python, Git, Linux, Bash, Jenkins, EC2, Lambda, S3, Route53, ELB

Advanced: C, TypeScript, Nodejs, ElastiCache

Intermediate: SQL, React, JavaScript, HTML, CSS, DynaTrace, IAM, CloudFormation

Basic: Docker, Angular

Communication: Stakeholder Engagement, Requirements Gathering, Collaboration & Teamworking

Additional: Software Development Lifecycle, Planning, Problem Solving, Solution Development, Programming, Coding, Debugging, Automation, Critical & Analytical Thinking, Continuous Integration & Continuous Deployment