Jennifer Long

Full-Stack Software Engineer

(434) 218-4288
rz5sc@virginia.edu
linkedin.com/in/j-alicia-long

EXPERIENCE

VMware — *Software Developer Intern*

Atlanta, GA (Remote) — Jun 2020 – Aug 2020

- Created a RESTful API microservice in ASP.NET that allows IT admin to validate Workflows for device setup and installation
- Saved enterprise clients 50% of time on device installation management

Capital One — *Software Engineer Intern*

Richmond, VA — Jun 2019 – Aug 2019

- Developed a direct contributor notification system for mobile application crashes, backed by AWS Lambda and Slack & Jira API services
- Optimized crash triaging response time by 10x for mobile features team
- Expedited code reviews on pull requests with a Ruby Fastlane plugin to lint the GitHub CODEOWNERS file in the Jenkins CICD pipeline

Radiant Solutions — *Technical Intern*

Chantilly, VA — May 2018 – Aug 2018

- Designed and prototyped a novel geotemporal radar web visualization tool for MTI data analyst intelligence reports on proprietary government data sets
- Built using ReactJS, Deck.gl and Spring Boot REST services

LEADERSHIP & INVOLVEMENT

theCourseForum — *President (Mar 19–present)*

- Leading a student development team to build and maintain the premier UVA course review site used by 10,000+ students (thecourseforum.com)
- Guiding migration from Rails app to a Dockerized Django app
- Overhauling legacy CSV parser to fetch JSON data from public course APIs
- Configuring autoscaling with managed Kubernetes to handle peak periods

PROJECTS

Motimeter — *Creator (Jan 2020)*

- Created web app that motivates users to set SMARTR goals and track progress via KPI dashboard, incremental task completion, and email/text reminders
- Dockerized and deployed Heroku web app, built with Django & PostgreSQL

CourseStar — *Project Lead (Sep 2019)*

- Collaborated with a team of four developers to prototype a web-based course enrollment system for instructors and students
- Constructed UI and API endpoints in the React-Express-NodeJS stack
- Devised relational database schema and implemented in PostgreSQL with complex queries and triggers

EDUCATION

University of Virginia, Charlottesville, VA
— *B.S. Computer Science*

May 2021, 3.85/4.0 GPA

Coursework: Algorithms, Computer Architecture, Data Structures, Databases, Defense Against the Dark Arts, Operating Systems, Software Engineering

Thomas Jefferson High School for Science and Technology, Alexandria, VA

Jun 2017, 4.37/4.0 GPA

SKILLS

Python, Java, JavaScript, C++

AWS, Docker, Django, Heroku, ReactJS, TravisCI, PostgreSQL

CERTIFICATIONS

AWS Certified Solutions Architect—Associate

ACHIEVEMENTS

UVA Dean's List
Jan 2018-present

National AP Scholar
Aug 2017

National Merit Finalist
Jan 2017