


Jennifer Long

Full-Stack Software Engineer

(434) 218-4288

rz5sc@virginia.edu

 linkedin.com/in/j-alicia-long

 j-alicia-long.github.io/me

EXPERIENCE

VMware — Software Developer Intern

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

- Created a RESTful API microservice that allows IT admin to validate workflows for device setup and installation, built with C# and ASP.NET Core
- Saved enterprise clients 2-4 hours of time per device installation workflow

Capital One — Software Engineer Intern

Richmond, VA — Jun 2019 – Aug 2019

- Developed a direct contributor notification system for application crashes, optimizing crash triaging response time by 8 hours for the mobile features team
 - Built using AWS Lambda, Slack & Jira API services
- 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
- Configuring autoscaling with managed Kubernetes to handle peak periods

PROJECTS

VMware: A D&I Hub — Web Developer (July-Aug 2020)

- A web app that promotes transparency for VMware's progress in diversity & inclusion goals, through data visualizations of survey sentiment analysis
- Built for VMware's 2020 Intern Borathon, with the MERN stack

Motimeter — Creator (Jan 2020)

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

CourseStar — Project Lead (Sep 2019)

- A web-based course enrollment system for instructors and students
- Constructed UI dashboard and API endpoints in React-Express-Node.js
- Devised relational database schema and implemented in PostgreSQL with complex queries and triggers

EDUCATION

University of Virginia,
Charlottesville, VA

B.S. Computer Science,
B.A. Cognitive Science

May 2021, 3.85/4.0 GPA

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

Jun 2017, 4.37/4.0 GPA

CERTIFICATIONS

AWS Certified Solutions
Architect—Associate

SKILLS

Python, Java, JavaScript, C++

ReactJS, Node.js, Django,
MongoDB, PostgreSQL

AWS, Docker, Heroku, TravisCI

Have used: C#, ASP.NET Core,
Ruby, Spring, Android Studio,
Selenium, NumPy, Pandas

ACHIEVEMENTS

UVA Dean's List

Jan 2018-present

National AP Scholar

Aug 2017

National Merit Finalist

Jan 2017