


# Jennifer Long

Full-Stack Software Engineer

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## EXPERIENCE

### VMware — Software Developer Intern

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

- Created a RESTful API microservice that allows IT admins to validate workflows for device setup and installation, built with C# and ASP.NET Core
- Saved enterprise clients 2-4 hours of time per installation workflow
- Deployed application to an AWS EC2 instance

### 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, Kepler.gl, and Spring Boot REST services
- Briefed project to company senior leadership with the Data Liberation team

## LEADERSHIP & INVOLVEMENT

### CS 3240: Software Engineering — Teaching Assistant | Aug 2020 – Present

Tutoring a 300 person class on software design principles, agile methodologies, and full-stack web development using Django, PostgreSQL, and Heroku

### theCourseForum — President | Mar 2019 – Present

Leading a 15-member student dev team to build and maintain the premier UVA course review site used by 10,000+ students ([thecourseforum.com](https://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 — Developer | Aug 2020

A dashboard that promotes transparency for VMware's progress in diversity & inclusion goals through data visualizations of survey sentiment analysis (NLP)

- Created UI dashboard and API endpoints with the MERN stack (MongoDB, Express, React, Node.js)
- Won first place (out of 25 teams) at VMware's 2020 Intern Borathon

### Motimeter — Creator | Jan 2019

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

## EDUCATION

### University of Virginia, Charlottesville, VA

— B.S. Computer Science

May 2021 | 3.85/4.0 GPA

#### Coursework:

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

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

Jun 2017 | 4.37/4.0 GPA

## SKILLS

Python, Java, JavaScript, C++

Django, ReactJS, Node.js, PostgreSQL, MongoDB

Docker, AWS (Lambda, S3, EC2), Heroku, TravisCI

#### Have used:

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

## CERTIFICATIONS/AWARDS

### AWS Certified Solutions Architect — Associate

Aug 2019

### UVA Dean's List

Jan 2018 – present

### National Merit Finalist

Jan 2017