

Jennifer Long

Full-Stack Software Engineer

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EXPERIENCE

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 CI/CD pipeline

Center for Leadership Simulation & Gaming — Research Assistant

Charlottesville, VA — Sep 2018 – May 2019

- Built ReactJS UI components and refactored callbacks for a refugee migration web simulation game, used to train 1000+ US representatives and policy students from 150+ universities

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 govt data sets
- Built using ReactJS, Deck.gl and Spring Boot REST services

PROJECTS

Motimeter — Creator (Jan 2020)

- Motivates users to set SMARTR goals and track progress via KPI dashboard, completion of incremental tasks, and daily email/text reminders
- Dockerized and deployed Heroku web app, built with Django & PostgreSQL

CourseStar — Project Lead (Sep 2019)

- Collaborated with team of 4 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

LEADERSHIP & INVOLVEMENT

theCourseForum — Incoming 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

SKILLS

Python, Java, JavaScript, C++

AWS Lambda, Docker,
Django, ReactJS, PostgreSQL,
Selenium

CERTIFICATIONS

AWS Certified Solutions
Architect — Associate

EDUCATION

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

May 2021, 3.89/4.0 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

ACHIEVEMENTS

UVA Dean's List

Jan 2018–present

National AP Scholar

Aug 2017

National Merit Finalist

Jan 2017