

# Raymond Truong

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## Professional Experience

### Purdue University

#### SOFTWARE DEVELOPER

*West Lafayette, IN*  
Sep 2019 – Aug 2020

- Collaborated with five developers to develop several Java labs for Purdue's Summer "Computer Science Bridge Program"
- Integrated new features into Gradescope's autograder in effort to upgrade and standardize existing automatic grading methods
- Created CI/CD pipelines using GitHub Actions to automate deployment of autograder images onto DockerHub and Gradescope
- Wrote JUnit tests, performed QA and code reviews on various content

#### UNDERGRADUATE TEACHING ASSISTANT (CS 240)

Aug 2019 – Dec 2019

- Taught two lab sections C & C++ concepts and basic data structures
- Hosted office-hours covering homework assignments and projects
- Proctored exams and reviewed new course content before deploying

#### UNDERGRADUATE TEACHING ASSISTANT (CS 390-WAP)

Aug 2019 – Dec 2019

- Taught a PSO session in a full-stack web applications development course teaching: React, Node, Express, MongoDB
- Worked in a team of five senior teaching assistants to revamp existing curriculum from Angular to React and integrate MongoDB
- Developed new instructional content such as JavaScript labs
- Hosted office-hours assisting students on their course-long project

### Humana

#### TECH INTERN

*Louisville, KY*  
May 2019 – Aug 2019

- Collaborated with a team of four developers to create Humana Splunkbase, a full-stack platform to host Splunk dashboards
- Designed and developed front-end components using Vue/Vuetify
- Built out a REST API using a mix of: Node, MySQL, and Flask
- Created a microservice integrating Humana's LDAP service into the Humana Splunkbase authentication API

## Projects

### raytruong.dev

Ongoing

- Created a static personal portfolio site using Vue and Nuxt
- Utilized Vue dynamic routing to implement a custom blog system
- Currently making niche tools, video game guides, and tech spotlights

### FitHub

Winter 2019

- Worked with five developers to make a full-stack service where users can make, log, and share workouts from a React Native mobile app
- Optimized response time of 30 REST API endpoints from an average of 1700ms to less than a max of 500ms

### Cocoa Shell

Fall 2019

- Wrote a bash-like shell with regex parsing using lex, yacc, and C++

## Education

Purdue University  
*West Lafayette, IN*  
BS Computer Science  
Aug 2017 – May 2021  
GPA: 3.63

## Courses

Data Structures & Algorithms  
Operating Systems  
Software Engineering  
Software Testing  
Web Development  
Information Systems  
System Programming

## Languages

JavaScript  
Java  
C & C++  
Python  
Bash  
SQL

## Technologies

Node / Express  
MongoDB  
Vue & Nuxt  
Flask

## Tools

Git  
Linux  
Docker  
Jest  
JUnit  
Google Cloud  
Maven

## Interests

Serverless Cloud  
Microservices  
Linux, Custom DEs  
Automation & DevOps