

Raymond Truong

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Professional Experience

Purdue University – Undergraduate Teaching Assistant

August 2019 – Present

“Hello World” Hackathon – Mentor

- Mentoring a freshman-only hackathon, helping newbies code their projects and provide guidance

CS390 – Web Application Development – Undergraduate Teaching Assistant/Coordinator

- Leading a lab session in a full-stack web applications development course, teaching React, Node.js, and MongoDB
- Collaborating with a team of 5 seniors to create course curriculum and labs on: JavaScript, React, Node.js, REST APIs

CS240 – C Programming – Undergraduate Teaching Assistant

- Teaching two lab sections of over 30 students each in C/C++ programming

Humana – IT Intern

May 2019 – August 2019

- Designed and developed a full-stack web app to host and serve Splunk dashboards using Vue.js, Node.js, Flask, and MySQL
- Pitched prototype to VPs and gained funding approval for Business Intelligence to further develop Humana Splunkbase
- Led a team of three interns by configuring project environment, designing code layout, teaching full-stack development
- Spearheaded design, development, and implementation of MVP critical features

Harris Corporation – Software Engineering Intern

August 2016 – December 2016

- Created Radiation Budgeting Instrument project documentation manual via Doxygen
- Presented Doxygen research to flight SWE team to better understand capabilities of automatic documentation
- Engaged in daily scrum meetings with flight software engineers and shadowed ground software engineers

Projects

🏆 **WhereTheHeckIs** – Angular, Ionic 4, Golang, Node.js, Express, MongoDB, GCP

A mobile application that locates conference rooms, offices, and cubicles on a floorplan

- First place winner of 2019 Summer Intern “Humanathon” hackathon
- Developed critical map feature that allows an uploaded image to be viewed
- Wrote back-end server to store marker data into MongoDB

DateNight – React, Node.js, Express, Postgres, Jest, GCP, AWS, TDD

A web application that allows you to query, track, and plan dates

- Configured Airbnb industry coding standards with ESLint, Prettier, and Editorconfig
- Developing API and algorithm to aggregate date events such as: movie showings, restaurant hours, etc.
- Created CI/CD pipeline through GitHub, Cloud Build hooks, and automated Jest unit tests on deploy

FitHub – React Native, Node.js, Express, MongoDB, GCP

A mobile application to plan, track, and share your workouts on a cloud-first social platform

- Led back-end development using Node & MongoDB, collaborated with 5 developers
- Developed and tested an 1800+ line Node.js API
- Optimized response time of 30 MongoDB API end-points from ~1700ms to less than a max of 500ms

Totally Accurate Chat Server – React, Heroku, Node.js, Express, MongoDB

A chat server that badly translates your messages through multiple languages

- Developed back-end registration service using Passport.js and JSON web tokens
- Integrated persistent user authentication and sign in with Google OAuth 2.0

Objective

Junior studying Computer Science seeking an internship in software engineering and full-stack development with a focus on backend services

Education

Purdue University, West Lafayette, IN
B.S. Computer Science **GPA 3.54**
Software Engineering Track **May 2021**

Courses

Data Structures and Algorithms
Software Engineering
Software Testing
Web Application Development
Information Systems
Systems Programming
Computer Architecture
Discrete Math

Languages

JavaScript
Java
C/C++
Python
Bash
SQL

Frameworks

Node.js
MongoDB
Vue.js
Nuxt.js
React
Ionic
Flask

DevOps/Cloud

Linux
Git
Docker
Jest
Google Cloud
Amazon Web Services
Pivotal
Heroku
Azure DevOps

Awards

Dean’s List 2019
Purdue Marquis Scholarship
2019 Humana Hackathon Winner