

# Raymond Truong

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## Education

Purdue University

West Lafayette, IN

B.S. Computer Science

GPA: 3.72

August 2017 – May 2021

## Languages

JavaScript

Java

TypeScript

Bash

## Skills

Vue 2/3

Nuxt.js

Docker

Linux

RDBS/SQL

Jest

Node.js

AWS

Maven

Git

NoSQL

JUnit

## Additional Projects

### Shell

Wrote a custom bash-like shell with regex parsing, process forking, and output redirection

### Dotfiles

Created bash scripts to support various Polybar modules monitoring system statuses

## Experience

### Mastercard

O'Fallon, MO

#### Software Development Engineer I

August 2021 – Present

- Building and maintaining two Java Spring Boot microservices that provide data directly to 8+ major downstream services
- Resolving defects and implementing business logic into an Angular 12 application used by both internal and external users
- Implemented features into a Spring Batch application to migrate a SQL table containing hundreds of thousands of transaction records

### Purdue University

West Lafayette, IN

#### Student DevOps Engineer

September 2019 – August 2020

- Developed features for a custom Gradescope autograder, such as stack trace reporting and linting of code submissions using Python and Java
- Created CI/CD pipelines for over 20 repositories to automate deployment of autograder images onto DockerHub
- Automated build process for 17 Java labs by migrating them to Maven
- Wrote JUnit tests, performed QA and code reviews

#### Undergraduate Teaching Assistant

August 2019 – December 2019

- Taught two labs of 30 students alongside a team of teaching assistants for CS240, a core computer science course teaching C and C++
- Developed curriculum for CS390, an elective course teaching full-stack development with React, Node.js, MongoDB, and AWS
- Hosted office-hours covering homework assignments and projects

### Humana

Louisville, KY

#### Software Development Intern

May 2019 – August 2019

- Led a team of four interns to create Humana Splunkbase, a full-stack platform to host internally developed Splunk dashboards
- Designed and developed project critical features like file upload and JWT authentication utilizing: Vue 2, Node.js, and MySQL
- Integrated Humana's internal account system into Humana Splunkbase

## Projects

### A1 Checking System

January 2020 – Present

Vue 3, TypeScript, Jest, Electron, PouchDB, Cloudant, Docker, GitHub Actions

- An offline-first desktop application to log sales data for A1 Nails
- Designed and built Vue 3 client with back-end sync to IBM Cloudant
- Built decoupled front-end services using tsyringe, a typescript dependency injection library by Microsoft
- Configured pipelines to run tests, package client into a binary using Docker and Electron, and automate releases via GitHub Actions
- Developed 100+ unit tests across models, repositories, and services