Tyler G. Tracy

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Development Skills

Full Stack Web Development: JavaScript (6 years), **Node.js** (3 years), **Python** (3 years), **Angular** (2 years), **React** (2 years), RxJS, REST, GraphQL, TypeScript, NPM, SASS, AWS, GCP, MongoDB
Application Development: C++ (3 years, 2 courses), **git** (3 years), C#, Vim, Linux, SQL
Mobile Development: Java (2 years, 1 course), **Flutter**, React Native, Android Studio, Kotlin
Other Skills: Raspberry Pi, Ardunio, Rubik's Cube solving, Juggling

Education

Bachelor of Science in Computer Science, Minor in Mathematics   December 2020
University of Arkansas, Fayetteville, AR   GPA: 3.94

Work Experience

Software Engineering Intern at Metova   *January 2020 - June 2020, Fayetteville AR*
- Develped onboarding android application to streamline the onboarding process for Metova new hires
- Developed features and tests for smart office android app with team of 3 developers
- Updated and enhanced parking enforcement android app for California State used by over 500 police officers
- Went through over 200 hours of AWS training in preperation for developer assoicate exam

Intern for Google Cloud Auto Machine Learning Platform   *Summer 2019, Seattle WA*
- Launched beta UI for Google Cloud AutoML Video Intelligence
- Created and maintained a UI for managing video datasets and machine learning models
- Wrote more expansive unit tests for components and created integration tests to test the key functionality of pages
- Improved a bounding box common component to let users edit labels on videos, allowing higher model accuracy
- Interfaced with team members, UX designers, back-end engineers, and product managers to accomplish project goals

Full-Stack Software Engineering Intern at SupplyPike   *Summer 2018 - Spring 2019, Fayetteville AR*
- Worked with development team to create and maintain a transportation management system for freight brokers
- Developed a browser extension to auto-login users into carrier websites and auto-track shipments, cutting time spent looking up orders in half, 300 active users
- Developed electron application for managing company passwords and automating mundane supply chain tasks across supply chain applications for 300 of our clients
- Learned microservice architecture and process of deploying software on a larger scale while working on front-end and back-end applications

Current Projects

Collaborative Jukebox   *Spring 2019 - Present*
- Developing a social jukebox where users can add and upvote songs played at a venue
- Won three day startup weekend competition, securing free technical and business consultation
- Tech: Spotify's API, Angular 7, RxJs, NodeJS, and SocketIO

Recreational Mathematics NPM Library   *Summer 2018 - Present*
- Developing an open-source library to calculate different properties of numbers found in recreational number theory
- Includes: Prime Number, Perfect Numbers, Happy Number, Conversion to Egyptian numerals, base -2, etc...

TylerTracy.com (Personal Website)   *2015 - Present*
- Developed a front-end for personal website and for different games and applications
- Maintaining server that handles all requests from my applications via REST API and WebSockets

Accomplishments and Organizations

President of Association of Computing Machinery (200 members)   *Fall 2019 - Spring 2020*
- Lead team of six officers to schedule and plan events for computer science students
- Built relationships with local companies by facilitating campus recruiting events, tech talks, and hackathons
- Lead artificial intelligence special interest group. Created a playable checkers bot to teach the basics of AI

Founder and President of Association of Practical Programming (50 Members)   *Spring 2019*
- Founded student organization focused on exploring programming concepts
- Created and presented weekly talks over technologies that are not taught or used in class but useful in the industry

1st place winner of ACM / J.B. Hunt Hackathon   *Fall 2017*
- Interactive campus map with real-time event planning, team of 4, Tech: Google Maps API, PHP, JS, Python

1st place winner of ACM / J.B. Hunt Hackathon   *Spring 2018*
- License plate scanner mobile for parking validatiaon, team of 4, Tech: React Native, Android, WebSockets, NodeJs

Eagle Scout, Member of Troop 214, Senior Patrol Leader   *Fall 2016*