Austin Leung

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Education

Carnegie Mellon University   *Pittsburgh, PA*
B.S. – Information Systems, Minor in Computer Science, Minor in Software Engineering (GPA: 4.0/4.0)   *May 2022*
Coursework: Application Design and Dev, Software Engineering for Startups, Database Design and Dev, Computer Systems, Functional Programming

Work Experience

Pluralsight   *Remote*
Software Developer Intern   *May 2020 – Aug 2020*
- Pair and mob programmed on the full stack Channels/RoleIQ/Profile teams utilizing React and Redux for frontend with TypeScript, Node, C#, .Net, and PostgreSQL for backend
- Designed and developed an Express middleware security package distributed to 60 engineering teams to prevent cross-site scripting attacks on all Pluralsight webpages
- Interviewed external stakeholders to discover use cases and refine product designs

CMU School of Computer Science   *Pittsburgh, PA*
Teaching Assistant - Principles of Imperative Computation   *Aug 2019 – Present*
- Teach data structures, algorithms, and C language concepts to 500 students each semester
- Lead weekly labs & recitations, participate in grading sessions, and hold office hours

MultiComp Lab - CMU Language Technologies Institute   *Pittsburgh, PA*
Data & Machine Learning Research Assistant   *May 2019 – May 2020*
- Explored web data crawling mechanisms to compile 3 multimodal datasets
- Built deep learning convolutional neural networks with PyTorch to detect multimodal patterns

Projects

TextLive   Feb 2020 – May 2020
- Published an Android app on the Google Play store where users have a conversation through live text instead of separately sent messages
- Integrated login and registration with profile and contacts using React Native, Node, and MongoDB

The Reddit Sentiment Analyzer | 1st Place - CodeDay Pittsburgh Spring 2019   May 2019
- Created a React web app that visualizes colorized sentiment of Reddit user activity and subreddit posts to better understand the mood of each user and subreddit
- Analyzed aggregated text with sentiment analysis to display colors based on emotions and intensities

Skills

Programming: TypeScript, JavaScript, Python, C, HTML, CSS, SQL, Ruby, C#, Java, SML, R
Technologies and Applications: Git, Rails, React, React Native, Node, Express, PostgreSQL, Redux, Docker, Github Actions, TeamCity, Vue, .NET, PyTorch