PRAGNATH CHINTALAPATI

Software Engineer

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OBJECTIVE

A 2nd year student (junior by credits), demonstrating strong leadership, programming, and problem-solving skills. Looking for software engineering and development opportunities that can help me learn more and make an organization win at the same time!

EDUCATION

Bachelor of Science: **Informatics**
University of Washington – *(GPA: 3.74) Seattle, WA*
2020 – 2023
Awards: University Dean's List Recipient (5x), Annual Dean's List Recipient
Relevant Courses: Data Structures & Algorithms, Core Methods in Data Science, Database Systems, Information Systems Analysis, Intro to AI, Client-Side Dev, Server-Side Dev (Upcoming)

EXPERIENCE

01/2021 to 02/2022 **Team Lead – Sensor Fusion; Programmer – Computer Vision**
UW EcoCAR – *Seattle, WA*

- Lead the Sensor Fusion sub-team's development as part of the Connected and Automated Vehicles (CAV) swimlane. CAV builds automation systems that work on producing an eco-friendly and semi-autonomous vehicle at real time.
- My team and I successfully validated rosbags and improved the Multi-Object Tracker to ensure the vehicle is receiving accurate signals and readings of objects around the vehicle.
- Develop code for the Computer Vision sub-team for CAV. Primarily worked on code, research and understanding of object recognition algorithms to implement on vehicle.

01/2022 to 03/2022 **Teaching Assistant – Data Structures & Algorithms**
Paul G. Allen School of Computer Science & Engineering – *Seattle, WA*

- Instruct a group of 25-30 students through weekly sections and office hours. Curate questions and help students effectively practice class concepts including - Runtime analysis, Graph algorithms, trees, heaps etc.

01/2022 to Present **Team Member – V2X**
UW EcoCAR – *Seattle, WA*

- Part of the V2X team for CAV. Currently working on initializing/transferring data from MK5, creating driving scenarios, implementing Bash/Python scripts to parse the data obtained.

PROJECTS

EdVance

- EdVance is an online archive where current and past UW students can search for study resources that will help them succeed in their classes. The final website was deployed to Firebase and built using DOM and ReactJS.

Sustainabear

- Sustainabear was built in a 48-hour group hackathon organized by WINFO. The iOS app allows users to buy items and automatically donate to a cause of the seller's choice. The app was built on XCode completely using Swift.

UW EcoCAR Mobility Challenge (In Progress)

- Part of the CAV team that develops perception and predictive systems for vehicles. This involves developing software and hardware architecture, control algorithms, creating test cases and system level validation.

SKILLS

- **Programming Languages**: Java, Python, HTML5, CSS3, R, Swift, SQL, JavaScript (AJAX, DOM & ReactJS)
- **Tools**: Git, GitHub, JDBC, VMware (Linux), Figma, CAD, Azure, Amazon EC2, Power BI, Simulink, Firebase
- Agile & Sprint Environment, Problem Solving, Teamwork, Communication