SUMANT **GUHA**

CONTACT

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EDUCATION

University of Washington
Bachelors in Computer &
Electrical Engineering
Expected Graduation: Spring
2022
CGPA: 3.76 • Dean's List
Scholar

SKILLS

Over 1000 lines:
Java • Python • C • C++ •
JavaScript • R • React •
Tensorflow • HTML • CSS

EXPERIENCE

CSE 14X Head Teaching Assistant | Paul G. Allen School of CSE
Seattle, Washington | January 2020 - Present
- Teaching topics ranging from basic programming to data structure implementations & algorithms
- Lead weekly recitation sections with around 25 students
- Worked at introductory programming lab, open to more than 800 students enrolled in the introductory series
- Trained and mentored a group of more than 40+ new teaching assistants

Machine Learning Intern | Ernst & Young
Bangalore, India | June 2019 - August 2019
- Worked on building supervised machine learning models for question answering tasks with dual attention LSTM models in TensorFlow
- Member of a team that built a deep learning tax bot to facilitate tax advising. Trained & developed a model to answer internal tax related questions
- Created & maintained a platform for tax analytics and recommendation policies

Data Analytics Intern | Mu Sigma
Bangalore, India | June 2018 - September 2018
- Built classification model to detect automobile insurance fraud with 85% accuracy
- Model reduced fraud for a global automobile client that was predicted to generate a $2M increase in annual revenue within Keras

Embedded Systems Programmer | Husky Robotics
Seattle, Washington | September 2018 - June 2019
- Created C/C++ embedded systems framework, programming microprocessor boards to control parts such as the chassis, arms & legs
- Developed movement abilities such as forward & inverse kinematics by integrating computer vision

PROJECTS

GradeIt Database Migration | Paul G. Allen School of CSE
Seattle, Washington | June 2020 - Present
- High impact project entailing migrating entire course codebase from GradeIt to EdStem
- Managed development by writing jUnit tests, setting up autograders & designing specs

CodeIt | Co-Founder
Seattle, Washington | June 2020 - Present
- Envisioned & developed iOS/android react native app. Deployed to empower underprivileged students by providing free CS education
- Targeted towards middle & high schoolers offering courses in 3 languages (Python, Java & JavaScript)

Full Stack Web App Development | Paul G. Allen School of CSE
Seattle, Washington | June 2020 - Present
- Designed & implemented full stack applications for the introductory computer science series in AMP project & React
- This included developing both front end visualizations & server side networks for homework assignments
- Wrote and planning to present a a at SIGCSE 2021

Husky Game Studios | Co-Founder
Seattle, Washington | July 2019 - December 2019
- Engineered games in C# in Unity Engine
- Formulated game mechanics in tandem with graphics