

Subrajit Surendran

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<https://github.com/subr809>



Education

Pursuing B.S in Computer Engineering

Texas A&M University, College Station, Texas

GPA: 3.15/4.0

Blinn College, Bryan, Texas

GPA: 3.8/4.0

August 2022

August 2018-Present

August 2018-August 2019

Work Experience

Teaching Assistant/Texas A&M University, College Station, Texas

August 2020 – December 2021

Courses: Python Computation, Physics Lecture - Electricity and Magnetism, Engineering Lab - Mechanics

- Coordinated grading with instructor and monitored progress of students across 3 courses
- Identified proper procedures in completing coursework and provided one-on-one assistance during the semester to students with concerns over course content

Projects

Software & Hardware Development

- **ASLA Tracker Website:** Worked in an agile environment to develop website for American Society of Landscape Architects student organization with Ruby on Rails.
 - Website URL: <https://tx.ag/aslareview>
 - GitHub Branch: https://github.com/Tarasso/ASLA_tracker/tree/subrajit
- **Restaurant Database/GUI:** Developed a restaurant point-of-sale system accommodating both customers and managers with a PostgreSQL database and Java-driven GUI.
- **MarketVision:** Developed a financial web application using API data to provide live price updates and other useful information about stocks, cryptocurrencies, and NFTs.
- **Smart Glasses:** Enabled real-time speech to text translation through socket programming and asynchronous framework in Python.

Research Projects

- **MALRU vs LRU Cache Replacement Policy in Non-Hybrid Memory Systems (Computer Architecture):** Focused on the implementation of the miss penalty aware LRU-based cache replacement policy (MALRU) in Zsim and analyzed the performance of MALRU and LRU on single memory applications.

Honors

Craig and Galen Brown Honors Engineering Student, Texas A&M University

2019-2020

National Honor Society and National Technical Honor Society

2018

- Demonstrated excellence in areas of scholarship, service, leadership, and character
- Demonstrated academic achievement in career and technical education

Organizations/Activities

Society of Asian Scientists & Engineers, Member, Texas A&M University

2018-2019

- Contributed to Texas A&M and Bryan-College Station area through community service and participated in events celebrating diversity on campus

Aggie Coding Club, Member, Texas A&M University, Member, Texas A&M University

2019-2020

- Completed framework of a Micro-Mouse self-navigating robot with a team of ACC members

Skills/Softwares

C++ • Python • HTML • CSS • Ruby on Rails • ReactJS • Java • JavaScript • PostgreSQL • CI/CD • Agile Development
• Assembly Language • Verilog • NI Multisim • LTSpice • Circuit Design • Linux • Microsoft Office