Aaron Chan

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EDUCATION

Texas A&M University College Station, Texas May 2022

B.S. Computer Engineering, Computer Science Emphasis

GPA: 3.94

Related Coursework:

Data Structures and Algorithms, Machine Learning, Discrete Math, High-Performance Computing, Principals of Statistic 1, Introduction to Logic Design

SKILLS

Programming Languages: C++, Python (NumPy, SciPy, Matplotlib, Pandas, Scikit-learn), SQL

Computer Software: Power BI, Power Pivot, SQL Server, GIT, JIRA

EXPERIENCE

Honeywell Aerospace - *Software Engineering Intern, Phoenix AZ* June 2020 - August 2020

- Using C++, worked in an agile system to develop test code for the flight management navigational database
- Used Python to create scripts to automate C++ header file integration for tests
- As an intern board member, helped plan virtual events for interns to socialize and network

Intel Corporation – *Project Analyst Intern, Folsom CA* September 2019 – May 2020

- Worked with teams in Asia and U.S using Excel to schedule project updates, timelines, milestones, and goals
- Using Power BI, and SQL, developed indicators and data dashboards for visualizing, predicting, and assessing project statuses for project managers and analysts
- Used Python to develop a data pipeline and backend for a model to predict project end dates based on hardware bugs

RESEARCH EXPERIENCE

Optimization of Autonomous RC Car June 2019 – August 2019

Texas State University – Student Researcher

- Worked with a professor to research and analyze ways to optimize an autonomous car for racing and presented findings at poster presentation
- Using Python: developed driving algorithms, improved reliability, created test maps, tested algorithm on complex environments, and decreased lap time by 36%

ACADEMIC PROJECTS

Parallelization of PlantCV Spring 2019

- Worked with a team to parallelize Plant CV (Computer Vision) to speed up the processing of analyzing plants using computer vision software by at least 30 percent when using 10 cores
- Used Python to implement MPI (Message Passing Interface) commands and alter PlantCV code for parallelization

HONORS AND AWARDS

Texas A&M Engineering Honors August 2018 - Present