Patrick Maley

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Education

University of Central Florida	Graduating Fall 2022
Bachelor of Science in Computer Science	Current GPA: 3.3

Relevant Coursework

Current
- Team Dynamics
- Algorithms for Machine Learning

Completed
- Robot Vision
- Artificial Intelligence

Projects

Parallelization of Machine Learning
Mar. 2021 – Apr. '21
- Collaborated on a team of 5 over the course of 2 months to develop a concurrent implementation of the gradient descent algorithm
- Performed research, developed and tested functions, and compiled a research paper in collaboration with my team

Contact Manager
Jan. 2021 – Mar. '21
- Worked together on a team of 4 over the course of 2 months to engineer a basic contact manager web app
- Developed the front-end of the application to support fundamental CRUD functionality using HTML, JavaScript, and CSS

Simple-C Compiler
Aug. 2020 – Dec. '20
- Built a compiler from scratch over the course of a single semester
- Interprets a simplified version of the C programming language
- Supports core functions, such as arithmetic, conditionals, etc.

Extracurricular Involvement

Nihongo Kenkyukai – Japanese Study Group
Vice President
Jan. 2020 – May '20
- Led club meetings twice a week for a group of 10 to 15 members
- Presented Japanese-language topics and managed learning activities
- Coordinated officer meetings with 4 other club officers to plan club operations and communicate weekly goals

President
May 2020 – Dec. '20

Skills

Programming Languages: *Strong*: Java, Python | *Familiar*: C, Go, SQL, HTML, JavaScript, CSS
Operating Systems: Windows, Linux
Software and Technology: VirtualBox, Google CoLaboratory, Git, GitHub, LaTeX, MySQL Workbench, React
Foreign Language: Knowledgeable in the Japanese language