Kevin Sadigh

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Objective: As a Fourth year Computer Engineering student I am in search of a Full-Time position to both contribute to the growth of a company while gaining technical work experience to further my career

Professional Experience

Software Engineer Intern, Advanced Micro Devices (AMD), May 2022 to present, Markham, ON

- Developed automated gameplay scripts utilizing Machine learning via Tensor-flow & TesseractOCR as well as object detection via YOLOv4 using Python
- Used agile project management software JIRA to track issues and manage workflow as well as JQL for performing advanced searches
- Automated manual testing tasks utilizing PyWinAuto & PyAutoGUI to reduce manual effort by 90%
- Developed provisioning scripts using Python to download & set up test systems with all required software remotely with no manual effort required

Software Communication & Design, ECE297 at UofT, January 2021 to May 2021, Toronto, ON

- Worked in a team of three software engineering students to create a mapping program (similar to Google maps) from given OSM data in C++ using the GTK library for our GUI and then used unit tests to evaluate our solutions before using Git to submit our software for grading
- Met semi-weekly with our TA to discuss progress, & give demos of our designs
- Developed Skills in communication, planning, C++, unit testing & Git version control

Engineering Design, APS112 at UofT, January 2020 to May 2020, Toronto, ON

- Worked in a team of four engineering students to assist a client on a problem involving flooding on the Toronto islands, as a part of this project we came up with a full report and multiple solutions for the specific client
- Developed strong written & oral communication skills specifically in writing reports & presenting to and meeting with a panel of clients/instructors

Projects

- Rough remake of popular game agar.io in embedded C for my computer organization class, where the player tries to avoid randomly generated moving objects that are bigger in size than itself
- https://github.com/KevinSadigh/Agar.io-embedded-C-

Education

Post Secondary: University of Toronto

Bachelor of Applied Science, 3rd year

- **Department of Electrical & Computer Engineering**
- Relevant Courses Taken: Algorithms & Data Structures, Engineering Strategies and Practices I&II, C++ Programming fundamentals, Software Communication & Design, Digital Systems & Electronics, Computer Organization, Intro to Control Systems
- Relevant Courses Taken by April 2022: Machine Learning, Intro to Databases, Computer Networks
- Awards: J Edgar McAllister Foundation - Troost Family Award For Engineering

Technical Skills

Programming : Python, SQL, C, C++, Object-Oriented Programming, JavaScript, HTML, MATLAB
Embedded Systems: Verilog, Assembly, Embedded C
Software Tools: Git, Github, LTSpice, MS office, SUE, MAX
Design: Photoshop, Blender
IT skills: Experienced in software and network troubleshooting & building computers
Communication: Native English Speaker & Experience working in teams

Hobbies & Interests

- Machine Learnings & data science
- Computer hardware and software (building PCs and improving programming skills)