CURTIS KIN KOKULOKU

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EDUCATION

UNIVERSITY OF MINNESOTA   Minneapolis, MN
Bachelor of Science in Computer Science   Expected December 2024
GPA: 3.3
Relevant Coursework: Software Eng. I, User Interface Dsgn., Algorithm & Data Str., Internet Programming, Program Design & Development, Operating Systems, Machine Architecture, Functional Programming, Database Systems, AI

TECHNICAL SKILLS

Languages: Java, C/C++, Python, HTML/CSS, JavaScript, SQL, TypeScript, WordPress
Frameworks/APIs: Node.js, React, NumPy, Angular, Django, JUnit
Tools/Platforms: MacOS, Git/Github, Unix/Linux, Windows, MySQL, PostgreSQL, VS Code

PROFESSIONAL EXPERIENCE

SOFTWARE DEVELOPER   Minneapolis, MN
University of Minnesota, Rocket Team (Avionics)   Sept 2023 – Present
- Collaborated with a team of 10+ developers to create a custom ground station desktop application that can receive, process, visualize, and store live telemetry from a rocket

UNDERGRADUATE TEACHING ASSISTANT   Minneapolis, MN
University of Minnesota   Sept 2022 – Present
Courses: Machine Architecture (C), Algorithms & Data Structure (Java), Intro to Programming (Python)
- Led lab sessions for 50+ students on topics like algorithms, data structures, and machine architecture
- Provided 1-on-1 coding help during office hours, enhancing debugging and problem-solving skills
- Delivered detailed feedback on assignments to further academic understanding

UNDERGRADUATE RESEARCH ASSISTANT   Minneapolis, MN
University of Minnesota   Sept 2022 – Feb 2023
- Collaborated closely with graduate research assistants, providing valuable support in their ongoing projects and initiatives, under the guidance of Professor Junaed Sattar
- Assisted in designing and conducting experiments, collecting and analyzing data, and interpreting research findings

EMBEDDED SOFTWARE ENGINEER   Minneapolis, MN
University of Minnesota, Small Satellite Research Lab   Sept 2021 – Feb 2022
Technologies: C++, Git, Google Test, GitHub, Python
- Implemented ROS-based device drivers and protocols for cube satellite sensors and actuators
- Integrated satellite data pipelines, enhancing team workflow and reducing duplication

PROJECTS

BALLOT WEB SCRAPER - github.com/curtiskokuloku/Ballot-Web-Scraper   Mar 2023
- Scraped regional election website to retrieve ballot data and display contest information to users
- Utilized Java, JSoup, and Selenium to ingest and parse data from sites with varying layouts and structures

SNAKE GAME - github.com/curtiskokuloku/Snake-Game   Apr 2022
- Built classic Snake game with Python Turtle module, implementing game loop, collision detection, scoring