IGNATIUS MULLIN

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Computer Science Major Graduating Spring 2023

EDUCATION

2019 - CURRENT
COMPUTER SCIENCE (GAMES), UNIVERSITY OF SOUTHERN CALIFORNIA
3.5 GPA

WORK EXPERIENCE

MAY – AUGUST 2023
AMAZON INTERNSHIP
PROJECT KUIPER

Embedded Systems
- Worked with the **Chrony** kernel daemon to synchronize system clocks on the lab hardware
- Utilized **TCP socket** and **kernel socket** programming
- Closely worked with GPS receivers
- Created and presented metrics on system accuracy.

Simulator
- Created a program in **C++** that simulates the behavior of a hardware board to assist with testing
- Simulator was wrapped in a **docker** container allowing for ease of use without users needing to handle dependencies
- Simulator interfaced with testing clients via **CAN bus**. The simulator would read messages from clients and output simulated CAN messages.

SKILLS

- Languages: C++, C#, Java, HTML, CSS
- Programs: Unity, Unreal, Docker, Maya
- Embedded Systems
- Level Design
- CAN bus
- Socket Programming

PORTFOLIO