Nicolas Lindbloom-Airey

he/him/his

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Objective

Looking for full-time work after I graduate from my Master's in June 2021. Ground Software is my top preference, but open to anything.

Education

University of California, Santa Cruz — Santa Cruz, CA
Masters of Arts in Mathematics — Sep 2021 - June 2022

University of California, Santa Cruz — Santa Cruz, CA
Bachelors of Science in Mathematics with Magna Cum Laude — Sep 2018 - June 2021

Computer Science Courses

- Data Structures, Algorithms, Analysis of Algorithms (all in C)
- Machine Learning class using TensorFlow, placed highly in in-class image classification competition
- Top student in Analysis of Algorithms and gave a presentation about the FFT

Physics Courses

- Quantum Computing, Mechanics, Wave Motion, Electricity & Magnetism
- Wrote a python script to emulate quantum circuits and verify their correctness

Research Experience

Math Education Research Group — University of California, Santa Cruz, CA
With Dr. Judit Moschkovich — Sep 2019 - Present

- Supporting three PhD canditates by being an extra set of eyes for classroom data, conference presentations, etc.
- Read and discuss past and current research (journal articles, books, presentations)

Work Experience

Maxar Technologies, Space Program Delivery
Returning Software Engineer Intern — Remote, Summer 2021

- CURRENT

Software Engineer Intern — Remote, Summer 2020

- Discovered major vendor error on critical hardware of spacecraft that had to be taken off and fixed
- Wrote over 3k lines of Tcl code to perform negative testing of spacecraft commanding

Coding Projects

Pokemon Battle Simulator — *pokemon-python*

- 40x faster than leading battle simulator with AI vs AI battles

Taylor Swift Translator — *taylorswifttranslator*

- Uses natural language processing API from IBM to map input phrases to the most similar lyric

Skills

- Java, C, Python, Javascript, Tcl, MatLab, Bash, SQL
- TensorFlow, Numpy, Pandas, Flask