Nicolas Lindbloom-Airey

he/him/his

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⚡ github.com/nicolaslindbloomairey

Education

University of California, Santa Cruz — Santa Cruz, CA
Masters of Arts in Mathematics — Sep 23, 2021 - June 2022

University of California, Santa Cruz — Santa Cruz, CA
Bachelors of Science in Mathematics with Magna Cum Laude — Sep 18, 2018 - June 11, 2021

Computer Science Courses

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

Research Experience

Math Education Research Group — University of California, Santa Cruz, CA
With Dr. Judit Moschkovich (3 hrs/wk) — Sep 24, 2019 - Jun 11, 2021

- 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 (40 hrs/wk) — Jun 13, 2019 - Sep 11, 2019

- Created a webtool to handle automated ingestion of redline files into Oracle database.
- Used and learned about Flask python framework, Object-relational mappers and the LDAP protocol.
- Presented to team of potential users for internal webtool.

Software Engineer Intern (40 hrs/wk) — Jun 12, 2020 - Sep 10, 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

Jose Valdes Math Institute — Stanford University
Classroom Program Assitant (32 hrs/wk) — Jun - Aug 2018 and Jun - Aug 2019

- Taught math lessons to a class of 20 middle-schoolers, some in Spanish
- Chaperoned the class to anywhere we needed to be on Stanford campus

Coding Projects

Pokemon Battle Simulator — ⚡ *pokemon-python*

- 40x faster than leading battle simulator with AI vs AI battles
- Has been forked and starred by other coders in the community.

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
- Fluent in Spanish