

# NICOLAS LINDBLOOM-AIREY

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## Education

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### University of California, Santa Cruz

*Bachelors of Science in Mathematics with Magna Cum Laude*

Santa Cruz, CA

Sep 2018 - June 2021

### University of California, Santa Cruz

*Masters of Arts in Mathematics*

Santa Cruz, CA

Sep 2021 - June 2022

### Computer Science and Physics Courses

- CSE 12 Data Structures, CSE 101 Algorithms, CSE 102 Analysis of Algorithms, CSE 144 Machine Learning
- Top scoring(A+) in Analysis of Algorithms and gave a presentation about the FFT
- Quantum Computing, Mechanics, Wave Motion, Electricity & Magnetism
- Wrote a python script to emulate a quantum circuit and verify its correctness.

## Research Experience

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### Math Education Research Group

*Undergraduate research*

University of California, Santa Cruz, CA

Sep 2019 - Present

- I was personally invited to join research group as an undergrad by Dr. Judit Moschkovich.
- Weekly research group where we read and discuss current and past research in the area of math education. We support the 3 PhD candidates with anything they need for their dissertations.

## Work Experience

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### Spacecraft Program Delivery at Maxar

*Software Engineer Intern*

Remote Internship

Summer 2021

- Learning a new language?

### Spacecraft Systems Loral at Maxar

*Software Engineer Intern*

Remote Internship

Summer 2020

- I wrote testing scripts to do a variety of tests to ensure the spacecraft reacted correctly to commanding.
- Learned a new scripting language (Tcl) on the fly.
- Competed in a team-based lunar rover design challenge.

### Jose Valdes Math Institute

*Classroom Program Assitant*

Stanford University, Palo Alto, CA

Summer 2018, Summer 2019

- Jose Valdes is a non-profit organization that teaches math during the summer to local, underprivileged middle-schoolers.
- As a teaching assistant I helped the credentialed math teacher I was placed with do anything they needed, including teaching lessons.

## Coding Projects

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### Pokemon Battle Simulator

<https://github.com/nicolaslindbloomairey/pokemon-python>

### Taylor Swift Translator

<https://github.com/nicolaslindbloomairey/taylorswifttranslator>

## Skills

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Programming Languages:	Java, C, Python, Javascript, Tcl
UNIX	Very comfortable with command line interface and a variety of command line tools.
English and Spanish	Fluent, Reading, Writing, Speaking