

Dakota Madden-Fong

CONTACT

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OBJECTIVE

I am a recent college graduate with a degree in Computer Science looking for an entry-level position in the San Francisco Bay Area.

LANGUAGE SKILLS

Python - Significant experience.

MATLAB and Java - Moderate experience.

Haskell and R - Minor experience.

WORK EXPERIENCE

The Coder School San Francisco

November 2018 — Present

Code Coach

The Coder School SF is a tutoring center where school-age children can learn how to code in a 1-on-1 or 2-on-1 environment. Duties as a Code Coach include:

- Teaching and demonstrating the fundamentals of writing code (variables, loops, lists, etc).
- Assignment of projects tailored to an individual student's interests, and instruction of advanced topics related to said projects.

Stanford University

June 2013 — August 2014

Research Intern, Applied Physics Department

During two summers at Stanford I worked with the LIGO division, a section of a multi-institutional project dedicated to measuring gravitational waves with laser interferometry. Duties included:

- Use of MATLAB and CAD software to model seismic isolation and optimize parameters of a multi-pendulum cryogenic suspension system.
- Documentation and presentation of simulation results with interpretations.

EDUCATION

BA in Computer Science

August 2013 — May 2018

Willamette University (Salem, OR)

I graduated with a 3.78 GPA within the CS program and a 3.65 GPA overall.

THESIS PROJECT

***Magic: The Gathering* Card Reader**

For my senior year thesis project at Willamette, I wrote a piece of software that utilizes computer vision to automatically identify cards from the trading card game *Magic: The Gathering*. This project involved working with SIFT Feature Detection, Qt GUI Development, among other technologies.

See the project here: github.com/TrifectaIII/MTG-Card-Reader

REFERENCES

Professor Fritz Ruehr (Academic Advisor)

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Phone: Available upon request