

Jason Ngo

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370 Lancaster Ave, Haverford, PA

EDUCATION

Haverford College

B.A. Candidate, Computer Science & Mathematics ; GPA: 3.94/4.0

Haverford, PA

Expected May 2021

Awards: Inazo Nitobe Scholarship for excellent work at Haverford, given to students with demonstrated need.

Relevant Coursework: Machine Learning, Analysis of Algorithms, Principles of Programming Languages, Analysis I+II, Algebra, Linear Optimization, Data Structures & Algorithms.

WORK EXPERIENCE

Student Researcher

September 2019 - Present

Friedler's Data and Algorithms Lab, Dark Reaction Project

Haverford, PA

- Developing local interpretability algorithms for MAML classifiers
- Implemented visualization scheme for chemical reaction data with Plotly
- Revamped the research dashboard with HTML/CSS

Data Assimilation Intern, SIParCS Program

June 2019 - August 2019

National Center for Atmospheric Research, Data Assimilation Research Section

Boulder, CO

- Restructured climate and forecast observation sequence files to enhance parallel I/O
- Implemented a GUI with C++/Python for visualizing/reanalyzing point-data netCDF files
- Completed weekly training on leadership, diversity, and grant proposal writing

Teaching Assistant

September 2018 - December 2019

Haverford College, Mathematics Department

Haverford, PA

- Tutored Linear Algebra and Multivariable Calculus to 20 students for 2 hours/week
- Guided students through proof-writing process

Client Service Assistant

September 2017 - December 2019

Haverford College, Information Technology Services

Haverford, PA

- Handled computing problems/questions for 20 clients/week at the Help Desk
- Imaged and updated MacOS and Windows computers for school personnel

PROJECTS

Dibs, Software Engineer

February 2019 - May 2019

An online platform that facilitates exchange of reusable items in college communities

- Implemented user interface components using JavaScript and HTML/CSS
- Maintained and tested the core Django (Python web framework) codebase for the Dibs platform

NeckUp, Second Place - Philly Tech Startup Weekend

September 2018

An interactive Android app that helps correct people's neck posture while they use their phone

- Utilized motion sensors and background processes to alert users of their bad neck posture
- Presented to Techstars judges and won the second place

LEADERSHIP EXPERIENCE

Students' Council International Students' Representative

September 2018 - May 2019

- Planned events and projects that support the international student body with different offices
- Guided students to various entry points to Haverford's resource network
- Voiced concerns pertaining to the needs and desires of international students

Advisory Council for Low-Income & First-generation Assistance and Resources (LIFTFAR) Spring 2018

- Assessed LIFTFAR's goals, progress, guidelines, outreach & communication strategies for future focus
- Served as a voice for students' needs and contact person for questions, needs or ideas related to LIFTFAR

SKILLS

- **Programming:** Python, Java, C++, Mathematica, Racket, R
- **Technologies** Git, Linux, Django, Qt, Android
- **Language:** English, Vietnamese, Intermediate Spanish