

MICHAEL CAO

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Objective

I am a student with a passion for information systems and evolution of technology in the modern day. With a drive to innovate, I hope to create and inspire new technologies.

Education

PENNSYLVANIA STATE UNIVERSITY

JAN 2018 - PRESENT

Bachelor of Sciences - Information Sciences and Technology, Design and Development

Experience

HAX ORGANIZATION

MAR 2019 – PRESENT

Executive Director

- Responsible for developing and implementing initiatives for an international nonprofit.
- Manage 40+ directors and members working for the nonprofit on a volunteer basis.
- Oversee 1:1 mentorship program for 50+ aspiring hackathon/workshop organizers.
- Spread and encourage growth of CS education, particularly for women & minorities.

VERTEX LABS

JUL 2016 - PRESENT

Founder & Lead Developer

- Commissioned to build/maintain software tools/products used by over 10000 people.
- Gained experience in Javascript frameworks, agile development, project management.

Selected Projects & Organizations

CORPORATE RELATIONS OFFICER | PENN STATE ACM

DEC 2018 – PRESENT

- Engaged with corporate contacts to develop valuable, mutually beneficial partnerships.
- Worked to receive over \$20,000 in funding from various companies & organizations.

TECHNOLOGY TEAM | HACKPSU

DEC 2018 - PRESENT

- Helped write and maintain a full software stack for a hackathon with 1500+ attendees.
- Learned and applied new programming skills in a highly realistic work environment.

PARTICIPANT/MENTOR/VOLUNTEER | FIRST ROBOTICS | SEP 2014 - PRESENT

- Former participant and current mentor in a high school-level robotics competition.
- Developed skills including technical writing, team management, engineering design.

Skills & Abilities

PROGRAMMING LANGUAGES & FRAMEWORKS

- Proficient: Java, JavaScript, NodeJS, MongoDB, RethinkDB, Git, Bash
- Familiar: HTML/CSS, TypeScript, Python, MySQL, SQLite, React, AngularJS

PRACTICAL & INTRAPERSONAL SKILLS

- Project Management, Engineering Design, Technical Writing, Agile Methodologies

Awards

- 1st Place, AccuWeather Challenge, HackPSU Fall 2018 @ Penn State University
- 2nd Place, CyberPatriot Competition, 2017 AFA CyberCamp @ the Pitt Cyber Institute