

MICHAEL CAO

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Objective

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

Education

PENNSYLVANIA STATE UNIVERSITY

JAN 2018 - PRESENT

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

Experience

ASSISTANT EXECUTIVE DIRECTOR | HAX | MAR 2019 - PRESENT

- Responsible for managing and directing all HAX outreach, activities and operations.
- Oversee multiple directors tasked with leadership and guidance of different teams.
- Spread and encouraged growth of CS education, particularly for women & minorities.

FOUNDER & LEAD DEVELOPER | VERTEX LABS | JUL 2016 - PRESENT

- Developed personal experience with various programming languages and toolsets.
- Commissioned to build/maintain software tools/products used by over 10000 people.
- Gained experience in Javascript frameworks, agile development, project management.

Selected Projects & 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 for 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

Last Modified: May 17, 2019