

MICHAEL CAO

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EDUCATION

Pennsylvania State University - University Park

JUN 2018 – PRESENT

Bachelor of Sciences, IST Design & Development

June 2022

WORK EXPERIENCE

Founder & Lead Developer, Vertex Labs

JUL 2016 – PRESENT

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

PROJECTS & ACTIVITIES

HackPSU

DEC 2018 – PRESENT

Technology Team Member

- Worked alongside other students to write and maintain a full software stack for a hackathon.
- Software (API, website, wristband system, admin app) used successfully over two hackathons.
- Collaborated under time constraints and immediate need to debug and fix various functionality.

Association for Computing Machinery, PSU Chapter

AUG 2018 – PRESENT

Corporate Relations Officer / DevPSU Startup Engineer

- Worked as Corporate Relations Officer to develop & maintain critical corporate partnerships.
- Assisted in the development & execution of signature programs such as CodePSU and DevPSU.
- Cooperated with other software engineers to create an advanced people-matching application.

FIRST® Robotics Competition

SEP 2014 - PRESENT

Mentor, Volunteer, Vice President, & Team Administration Lead

- Became critical member of robotics team in high school, with 500+ hours of work clocked yearly.
- Developed skills including programming, team management, business, and engineering design.
- Now mentor, teach and volunteer with another team to pass down gained experience and skills.

SKILLS

Programming Languages & Frameworks

Proficient: Java, JavaScript, NodeJS, MongoDB, RethinkDB, Git, Windows/Linux Command Line
Familiar: HTML/CSS, TypeScript, Python, Bash, Networking, MySQL, SQLite, React, AngularJS

Practical & Intrapersonal Skills

Team & Project Management, Effective Leadership & Teamwork, Engineering Design, Formal Writing

AWARDS

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