

Alexander Pedersen

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github.com/obventio56

Education

HARVARD UNIVERSITY

Prospective Candidate in Computer Science.
GPA 3.56

Relevant Coursework: Systems Programming, Introduction to Linear Algebra and Real Analysis.

Cambridge, MA
May 2022

BOILING SPRINGS HIGH SCHOOL

Graduated Valedictorian. SAT 1: M:760 V:780, ACT: 35.
National Merit Scholarship Finalist. Student Body President.

Boiling Springs, PA
June 2018

Technical Skills

Technical: C++, C, Python, PHP/MySQL, Ruby, JavaScript, R, Julia, HTML/CSS

Relevant Experience

PIXEL&HAMMER

Website Development Intern

Carlisle, PA
June 2016 – August 2018

- Contributed to CMS backends for regional clients including state tourism boards, professional development communities, and municipal governments.
- Implemented a sharing-economy web application using Laravel, Vuejs, and Braintree.
- Redeveloped an ecommerce site with more than \$50,000 in monthly revenue.
- Collaborated effectively with technical and non-technical members within a small team of six.

TECHNOLOGY STUDENT ASSOCIATION

Chapter President

Carlisle, PA
September 2015 – June 2018

- Developed software using Sox and Node-webkit to process audio such that it is therapeutic for individuals suffering from tinnitus.
- Built a prototype stenography keyboard using Arduino and programmed its operation with Python and Plover.
- Won the PA state conference software development competition in 2016.

Leadership and Activities

THE HARVARD CRIMSON

Technology Associate

Cambridge, MA
October 2018 – Present

- Design and implement new features for a student newspaper web application with more than 16 million annual page views.
- Maintain a robust codebase through best practices, including code review and extensive quality assurance testing.

DEVELOPERS FOR DEVELOPMENT

Project Manager

Cambridge, MA
September 2018 – Present

- Lead a small team to develop an energy efficiency assessment tool for the Northeast Energy Efficiency Partnership.
- Translate objectives into features and delegate tasks to team members.
- Communicate actively and responsively with project stakeholders.

Interests and Skills

Interests: Marathonning, Hydroponic Agriculture, Journalism

Language: French (intermediate), Mandarin (beginner)