Pete Stenger

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EDUCATION

University of Illinois — Urbana, IL
Bachelor of Science in Computer Science — *Aug. 2021 – May 2025*

Huron High School — Ann Arbor, MI
High School Diploma, 3.97 UW — *Aug. 2018 – May 2021*

EXPERIENCE

Full-stack Intern — June 2021 – Aug. 2021
Fifth Eye Inc. — *Ann Arbor, MI*
- Developed a full-stack web application using Express, React, AWS and CI Pipelines to manage ECG monitoring software in hospitals.
- Planned and provided insights to design a cost-effective and robust system architecture.
- Created an easy-to-use platform that performs AWS provisioning and displays AWS CloudWatch statistics.
- Developed strong technical communication and presentation skills explaining possible solutions to both highly technical professionals and business-oriented people.

Programming Subsystem Leader / Systems Integrator — June 2019 – June 2021
FIRST Robotics, Huron High School — *Ann Arbor, MI*
- Wrote vision processing in Python using the robot's camera to detect and navigate towards game pieces.
- Developed C++ teaching curriculum to teach 10+ students how to program and contribute to the robot.
- Planned and coordinated with mechanical and CAD subsystems, looking ahead to manage deadlines and ensure subteams understood each other and oversaw students working on separate pieces of the robot.
- Developed strong leadership and teamwork skills through extensive collaboration, teaching, and task delegation.

PROJECTS

Beatrunner | *React Native, Bluetooth, OAuth* — Jan. 2021 – March 2021
- Created an app-device combination that syncs your music to the steps taken with a team of three.
- Designed and programmed a fully functional app in React Native that communicates over Bluetooth LE to an Arduino-based tracking device.
- Top 3 in the state at the National Henry Ford Invention Convention.

sec-edgar | *Python, requests, asyncio, git* — Dec. 2020 – March 2021
- Architected and wrote a stock fetching library (600+ GH stars) with a UNC undergraduate.
- Restructured project to be more extensible and flexible, allowing SEC document downloads with filters and in multiple formats.
- Implemented multi-threading and bulk downloading functionality using asyncio to get 10-50x speed gains.

real-time-lyrics & lrc_kit | *Python, requests, BeautifulSoup* — Jan. 2021 – Feb. 2021
- Created a python library for downloading LRC lyric files from a multitude of sites.
- Utilized the python library to display real-time lyrics as a camera / in Zoom.

Self Harm Assisted Recovery Device | *Flutter, Dart, Figma, Bluetooth* — March 2020 – May 2020
- Programmed an app for those struggling with self-harm with a team of 4 undergraduate researchers at Duke.
- Presented application prototype written in Flutter / Dart as well as design mockups in Figma.

TECHNICAL SKILLS

Languages: Python, JavaScript, HTML/CSS, C, C++, Java, Golang
Frameworks: Vue.js, React, Django, Flask, Redux, React Native, SASS, OpenCV, D3.js
Developer Tools: Git, Docker, AWS, Shell Scripting, CI
Other awards: Eagle Scout, 35 ACT/1530 SAT, SANS Cybersecurity Finalist, AP Distinguished Scholar, Top 5 in class