

ANDREY PITERKIN

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EDUCATION

Northeastern University Sep 2021 - May 2024
B.S. in Computer Science, Overall GPA: 4.00 / 4.00 *Boston, MA*
Coursework Object-Oriented Design, Networks & Distributed Systems, Database Design,
Computer Science I & II, Discrete Structures, Calculus I & II, Algorithms & Data,
Mathematics of Data Models, Computer Graphics, Linear Algebra, Logic & Computation

EXPERIENCE

Amazon.com, Inc. May 2023 - Aug 2023
Incoming Software Engineer Intern *Seattle, WA*

S3 Global, Inc. May 2022 - Aug 2022
Software Engineer Intern *Redmond, WA*

- Engineering low-level capture and real-time stream compression software for high-speed network cameras.
- Owning a **multi-tiered** network-device monitoring system and error detection pipeline for **50+ devices**.
- **Technologies:** MS SQL Server, Microsoft Azure, Python, Batch, C++, C

Phoenix Rocketry Organization Feb 2020 - Feb 2021
Software Engineer *Seattle, WA*

- Facilitated Agile development and directed sprints and standup meetings regularly to promote rapid iteration.
- Programmed **800+ lines** of low-level C software for model rocket's onboard active flight control system.
- Remodeled apogee-prediction and airbrake deployment algorithms to **reduce cycle time by 50%**.
- Introduced a website that raised **\$1000+** dollars for the non-profit through effective design and SEO optimization.
- **Technologies:** C, Arduino, Xcircuit, Nodejs, JavaScript, HTML, CSS, AWS

Covasure Jun 2020 - Sep 2020
Software Engineer Intern *Seattle, WA*

- Wrote **200+ automated unit tests** for all happy and unhappy paths with Nodejs, Mocha and Chai.
- Discovered and patched critical bugs in development environment in both internal and client-facing functions.
- **Technologies:** JavaScript, AWS, Mocha, Chai, MySQL

Medecio Jun 2018 - May 2020
Software Developer *Bellevue, WA*

- Spearheaded creation of HIPAA-compliant, crowd-sourced medical website with **300+** active users and **1000+** daily page views, generating **\$500+** dollars in revenue.
- **Partnered** and directed the communication with **local doctors** to provide curated medical advice.
- **Technologies:** Google AdSense, JavaScript, HTML/CSS, Nginx

AWARDS/PROJECTS

SigLo Feb 2022
Hackbeanpot 2022 Winner: Most Technically Challenging *Boston, MA*

- Built a hand-gesture based interface for scrolling and navigating with a computer through camera, targeted at improving navigation accessibility with MediaPipe and Pynput, published on PyPi.

Discord Bot Apr 2022

- Created a Python bot to provide complex functionality to an academic group, serving **100+** users.
- Implemented simple **Natural Language Processing**, as well as a **complex math query** solver.

Image Compression Program — Seam Carving Apr 2022

- Implemented a fast, lossy image compression algorithm to shrink images while retaining maximum information.

Wordle Clone Feb 2022

- Developed a functional replica of the popular NYT game Wordle in Java with OOP and TDD principles.

TECHNICAL SKILLS

Computer Languages	Java, Python, JavaScript, Rust, HTML, CSS, MySQL, C++/C, C
Tools	Azure, AWS, Postman, Vim, DigitalOcean, Visual Studio Code
Frameworks & Libraries	TensorFlow, React, Angular, Node.js