

Avi Glozman

American and Israeli Dual Citizen

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Education

University of Pittsburgh, Pittsburgh, PA

B.Sc. in Computer Science

Dean's List: *Spring 2020*

August 2018 — December 2020 (Expected)

Skills

Programming languages: Python, Node.js, Java, C, C++, C#

Learning about: PyTorch, TypeScript, Computer Vision, Functional Programming, Augmented Reality

Technologies: Git, SQL (MS, My, Postgres), NoSQL (CouchDB, MongoDB), Linux, Azure, HTML, CSS, \LaTeX

Professional Experience

University of Pittsburgh, SCI, Pittsburgh, PA

Machine Learning Researcher

May 2020 — Present

- Conducting machine learning and developing an image segmentation model for cervical spine CT scans, to enable uninvasive classification of spinal anatomy during surgery
- Compiling and reading about various prior research related to machine learning for anatomical classification

Undergraduate Researcher, Learning Technologies Lab

November 2019 — Present

- Using Python and BeautifulSoup to efficiently scrape hundreds of faculty profiles to gain various insights, such as specific research interests, publication data, lab affiliations, etc.
- Compiling scraped data into an easy-to-process dataset for use in an undergraduate research opportunity discovery platform

Uber Advanced Technologies Group (ATG), Pittsburgh, PA

Software Engineering Intern, Simulation

May 2019 — August 2019

- Developed algorithmic solutions to complex data-syncing challenges relating to the ETL process
- Implemented interstructural mapping and related algorithms in Python to prevent redundant or broken data
- Contributed significantly to an API written in Go for data analysis in production

aspace, Seattle, WA

Software Engineer, Backend

June 2017 — October 2017

- Designed databases using both MySQL and MongoDB to support a RESTful API written in Node.js
- Wrote an implementation of Dijkstra's algorithm using Node.js for use during navigation
- Used Twilio's SMS API to integrate two-factor authentication into the backend

Highlighted Technical Projects

Synesthesia (*open source*)

- Program that creates unique patterns/visualizations for any sort of audio, by algorithmically interpreting and "displaying" the sound in a visually satisfying manner (using C++).

rentnexus

- Site that provides a focused platform for *students* to post about housing opportunities and requests, e.g sublet notices, roommate requests, etc. around campus.

Extracurriculars

Pitt Computer Science Club (CSC) Member and Mentor

September 2018 — Present

Wikipedia contributor (under username *Avigl*)

June 2016 — Present