

# Avi Glozman

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US Citizen

## Education

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**University of Pittsburgh**, Pittsburgh, PA

B.Sc. in Computer Science

August 2018 — December 2020 (Expected)

## Skills

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**Programming languages:** Java, Python, C, C++, C#, Node.js, SQL (MS, My, Postgres), NoSQL (DynamoDB, MongoDB)

**Learning about:** PyTorch, computer vision, functional programming, augmented reality

**Technologies:** Git, Docker, Azure, AWS, Windows, MacOS, Linux, HTML, CSS,  $\text{\LaTeX}$

**Spoken languages:** English, Russian, Hebrew, Spanish, Mandarin (*from most to least fluent*)

## Professional Experience

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**University of Pittsburgh, SCI**, Pittsburgh, PA

*Undergraduate Researcher, Learning Technologies Lab*

November 2019 — Present

- Using Python to analyze large volumes of research-related texts in order to create research recommendations for students
- Using BeautifulSoup to efficiently scrape hundreds of faculty profiles to gain various insights, such as specific research interests

**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 map structures and related algorithms in Python to prevent duplicate and/or broken data
- Contributed significantly to an API written in Go for data analysis in production
- Inspired significant changes to the organization's database stack by highlighting the lackings of MySQL relative to requirements

**aspace**, Seattle, WA

*Software Engineer, Backend*

June 2017 — October 2017

- Designed databases using both MySQL and MongoDB
- Designed and wrote a RESTful JSON API using Node.js and Express.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

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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

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Pitt Computer Science Club (CSC) Member

September 2018 — Present

Wikipedia contributor (under username *Avigl*)

June 2016 — Present