

# Avi Glozman

Backend Engineer and Architect

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## Skills

**Programming Languages:** JavaScript (Node.js, Typescript), Python

**Concepts:** REST APIs, RPC, Serverless, Distributed Systems, Data Streaming, Architecture

**Software:** NoSQL (MongoDB, DynamoDB), SQL, Object storage (S3), Elasticsearch, Kinesis, Git, Linux, AWS,  $\text{\LaTeX}$

**Spoken Languages:** English (Native), Russian (Native), Hebrew (Elementary), Spanish (Elementary)

## Professional Experience

Hooked, Remote, USA

### Software Engineer and Architect, Stream, Backend

Apr. 2021 → Now

- Ownership of several crucial product features, with design and implementation being done largely on my own from the ground up
- Integrating Stripe payments to enable users to subscribe to Stream, and building related API and backend framework
- Developing and deploying data streaming architecture on AWS for analytics and big data with S3, Elasticsearch, and Kinesis
- Writing test-driven, fast and elegant Node.js code in an Agile manner with direct reporting to the CTO

University of Pittsburgh, SCI, Pittsburgh, PA

### Undergraduate Researcher, Learning Technologies Lab

Nov. 2019 → Dec. 2020

- Used Python and BeautifulSoup to efficiently scrape hundreds of faculty profiles to gain various insights, such as specific research interests, publication data, lab affiliations, etc.
- Compiled scraped data into easy-to-process datasets for use in a university-wide undergraduate research opportunity discovery platform

Uber, Pittsburgh, PA

### Software Engineering Intern, Advanced Technologies Group (ATG), Simulation

May 2019 → Aug. 2019

- Created an ETL system using Python for moving self-driving car related data from DynamoDB to PostgreSQL, and solved complex data-syncing challenges
- Developed pruning algorithms in Python for preventing transfer of broken, invalid, and/or redundant data relating to self-driving car testing
- Contributed significantly to a web API written in Go for self-driving car data analysis in production

Aspace, Seattle, WA

### Lead Software Engineer, Backend

May 2017 → Oct. 2017 (11<sup>th</sup> – 12<sup>th</sup> grade)

- Designed MySQL and MongoDB databases for storing parking spot sensor data and user data, respectively
- Designed a RESTful API written in Node.js to support UX on Android and iOS apps, and for receiving sensor data
- Wrote an implementation of Dijkstra's algorithm using Node.js for navigation, relying on user location data and data from Mapbox's API
- Used Twilio's SMS API to integrate two-factor authentication into the backend

## Education

University of Pittsburgh, Pittsburgh, PA

B.Sc. in Computer Science, **3.4 in-major, 3.2 overall**

Aug. 2018 → Dec. 2020

Dean's List: Spring 2020, Fall 2020

## Interests

Private Online CS Tutor

Oct. 2017 → Now

Wikipedia Contributor (under username *AvigI*) — over 1M all-time aggregate views

June 2016 → Now

Electronics, CAD/3D printing, Linux, finance, music, metaphysics/ontology, writing, history, videogames

## Currently omitted or in-progress sections:

*Personal projects, Publications, Coursework, certain Skills (ones I haven't used in a while)*

*For my personal projects, check out my GitHub!*