Avi Glozman
Backend Engineer and Architect

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Skills

Programming languages: Node.js, TypeScript, Python
Concepts: REST APIs, Serverless, Distributed Systems, Data Streaming
Software: NoSQL, Object storage (S3), Elasticsearch, Kinesis, Git, Linux, AWS, LaTeX
Spoken languages: English (Native), Russian (Native), Spanish (Elementary), Hebrew (Elementary)

Professional Experience

Hooked, Remote, USA

Software Engineer and Architect, Stream, Backend   *Apr. 2021 → Now*
- Developing and deploying data streaming architecture on AWS for analytics and big data storage with S3 and ES
- Integrating payment services to facilitate product subscriptions into the API and backend framework using Node.js
- Writing test-driven, efficient and elegant code in an Agile manner

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 (11th – 12th 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 recieving 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

Please note that the present lack of software engineering internships is solely a consequence of my quick completion of my degree.

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 *Avigl*) — over 900k all-time article views   *June 2016 → Now*
Electrical engineering, CAD/3D printing, Linux, music, metaphysics, writing, history, videogames

Currently omitted or in-progress sections:
Personal projects, Publications, Coursework, certain Skills (ones I haven't used in a while)