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# Alexander Gimmi

## Software Engineer

Portfolio: [gimmi.work](https://gimmi.work)  
[github.com/iambroadband](https://github.com/iambroadband)  
[linkedin.com/in/agimmi](https://linkedin.com/in/agimmi)

### TECHNICAL EXPERIENCE

- Klaviyo** Jun 2024 — Present  
*Back-end Software Engineer / Events Pipeline* Hybrid, Boston, MA
- Maintained and enhanced a distributed events pipeline processing billions of events daily, ensuring high reliability and performance to support hundreds of thousands of customers
  - Led development of an asynchronous system to replace a high-throughput component of the pipeline, significantly improving scalability and reducing infrastructure costs
  - Built internal tooling to support data backfills and streamline incident recovery, reducing operational burden following pipeline disruptions
  - Coordinated cross-team communication and collaboration to migrate key services, facilitating successful change of ownership and knowledge transfer
- Janus Health** Nov 2023 — Apr 2024  
*Full-stack Software Engineer / Automation* Remote
- Helped develop a TypeScript browser plugin to expedite prior authorization for healthcare professionals
- Kyruus** Dec 2022 — Feb 2023  
*Full-stack Software Engineer / API* Remote
- Delivered the API for our next-generation platform, enabling customer integrations with provider data
- Dec 2020 — Dec 2022**  
*Back-end Software Engineer / Pipeline Operations* Remote
- Created tools to automate the customer onboarding process, reducing engineering costs and accelerating delivery time
  - Architected and implemented a Jenkins Pipeline-based system to replace a head-of-line blocking Jenkins job workflow, improving pipeline reliability, concurrency, and retryability
  - Reduced load on internal and external APIs by 50% by eliminating redundant data retrieval steps in the pipeline process
- Mar 2019 — Dec 2020**  
*Back-end Software Engineer / Customer Onboarding* Boston, MA
- Worked closely with new customers to onboard their providers onto our pipeline
  - Standardized customer data, reducing nightly pipeline failures by 20%
- PrimePay** Jan 2018 — Mar 2019  
*Back-end Software Engineer / Tax Filing* West Chester, PA
- Refactored a legacy tax filing engine to manage and file payroll taxes for tens of thousands of clients
  - Designed data visualization and data conversion tools for state and federal tax forms and files (PDF, TXT, XML)
- Northeastern University College of Arts, Media, and Design** Jan 2015 — May 2016  
*Research Assistant / G-Player Visualization Tool* Boston, MA
- Built an application to visualize and analyze participants' in-game spatiotemporal data
  - Enhanced ingest workflow for DARPA grant to support diverse file formats (CSV, JSON, TXT, XML)

### SKILLS

Languages	Python, SQL, NoSQL, HTML, CSS, Javascript, C#
Tools	Git, MongoDB, PostgreSQL, AWS (Lambda, EC2, RDS, CloudFront, etc.), Jenkins, $\LaTeX$
Frameworks	FastAPI, Pydantic, Flask, Chalice, Leaflet, LINQ
Concepts	REST API, object-oriented design, ETL, test-driven development, Agile

### PROJECTS

- Arcavios** — Building a collection of tools for managing Magic: the Gathering data Jun 2023 - Present
- Streamlabs Chatbot** — Built a plugin to support automatic handling of picture-in-picture replays during livestreams Spring 2022

### EDUCATION

**Bachelor of Science in Computer Science**, Northeastern University

### ACTIVITIES AND INTERESTS

- Volunteer Fire Lookout 2024
- Northeastern University Magic: the Gathering Club - Founder and President 2014 — 2016
- Research Assistant to Dr. Alessandro Canossa contributing to the [G-Player Visualization Tool](#) 2015 — 2016
- Northeastern University Housing and Residential Life - Resident Assistant 2013 — 2015
- Research Assistant to Dr. Stephen Intille contributing to [Cell Phone Intervention Trial for You \(CITY\)](#) Summer 2013