

# Baraq Lipshitz

New York, NY

[baraq@nyu.edu](mailto:baraq@nyu.edu) • +1 (628) 226-8196 • [linkedin.com/in/baraq](https://www.linkedin.com/in/baraq)

Website: [baraq.github.io](https://baraq.github.io)

---

## Education

### NEW YORK UNIVERSITY

B.S. in Computer Science. GPA 3.99/4.0; Dean's List  
SAT 1560/1600 (99.5<sup>th</sup> percentile)

New York, NY  
May 2024

Relevant Coursework: Data Structures & Algorithms (Python), Object Oriented Programming (C++), Design & Implementation of Programming Languages, Computer Architecture, Linear Algebra, Data Analysis, Project Management, Marketing, Discrete Math, Calculus 2, Physics (Mechanics)

### STANFORD UNIVERSITY

Business and Innovation Summer Intensive Studies. GPA 4.0/4.0  
Relevant Coursework: Entrepreneurship, Symbolic Systems

Palo Alto, CA  
May 2020 – September 2020

## Experience

### FORBES

Software Engineer Intern (Paid)

New York, NY  
June 2023 – August 2023

### PAYONEER

Software Engineer Intern (Paid)

New York, NY  
June 2022 – September 2022

- Built & documented service in .NET, C#, & MSSQL, speeding dozens of APIs by ~736% w/ load balancing techniques
- Analyzed APIs in production to fix errors, find bottlenecks, and load test with Dynatrace, Coralogix, & k6
- Collaborated with and learned from a team of eight experienced developers, doing Agile/Scrum using Azure DevOps
- Discovered bug leading to recovery of \$4,100 in lost fees and projected \$2,000/year fees saved for the company

### LIGHTNING TECH

Founder of Technology Consultation Business

Marin, CA  
September 2017 – Present

- Generated ~\$25,000 revenue and served 200+ customers providing tech consulting for individuals & small businesses
- Provided web dev & design services for eight local businesses, using SEO and dark pattern strategies
- Installed computers/internet and provided free lessons to impoverished immigrants for development of English skills
- Taught seniors computer skills to enable communication with family during coronavirus pandemic
- Wrote powerful advertisements to build a name-brand and gained an excellent reputation through word-of-mouth

## Projects

**FITME:** Fashion social media and ecommerce platform, server-connected iOS application

(As seen on website [baraq.github.io](https://baraq.github.io))

- Taught self Swift and UI design to write 11,171 lines of Swift for iOS application and design interface
- Architected cloud backend and predictive algorithm, media storage, & authentication in Node.js & Firebase
- Developed instant enriched direct messaging with a group chat feature
- Created business plan, performed market research w/ design thinking & surveys, collaborating with team of 3

**NYC AT A GLANCE:** Raspberry Pi powered morning display showing Subway information for the nearest train stop and an hourly weather forecast. Built with Python and the MTA API. (Open Source)

<https://github.com/baraq/NYCAAtAGlance>

## Skills

**Technical:** C++, Python, SQL, Swift, Java, Haskell, JavaScript, ReactJS, SwiftUI, .NET (dotnet), C#, React Native, Prolog, MIPS Assembly, x86 Assembly, Verilog, Forth

**Tools:** Git, Postman, K6, Dynatrace, Coralogix, Azure DevOps, Google Cloud Platform, Firebase, Agile Methodologies

**Languages:** English (Fluent), Hebrew (Fluent)

**Awards:** \$1000 "Best Mobile/Web App" - Marin Hack4Health 2017

**Hobbies:** Taekwondo (featured in newspaper twice), CPR Certified, Wrestling, MMA, Certified Scuba Diver, Sailing, Skiing