

# Baraq Lipshitz

New York, NY

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## Education

### NEW YORK UNIVERSITY

New York, NY

B.S. in Computer Science. GPA 3.97/4.0; Dean's List

May 2025

Relevant Coursework: Data Structures & Algorithms (Python), Object Oriented Programming (C++), Calculus 2, Mechanics

### STANFORD UNIVERSITY

Palo Alto, CA

Business and Innovation Intensive Studies. GPA 4.0/4.0

May 2020 – September 2020

Focus on Entrepreneurship and Artificial Intelligence

### REDWOOD HIGH SCHOOL

Larkspur, CA

GPA 4.27/4.0, SAT 1560/1600 (99.5<sup>th</sup> percentile)

June 2021

Redwood Honors Society 2017-2021

Coursework: AP Computer Science (Java); CS50x – Computer Science, Harvard EdX; Intro to Business, De Anza College, 2020;

## Experience

### PAYONEER

New York, NY

#### Software Engineer Intern (Paid)

June 2022 – September 2022

- Built & documented service in .NET, C#, & MSSQL, speeding dozens of APIs by ~736% w/ load balancing techniques
- Discovered bug leading to recovery of \$4,100 in lost fees and projected \$2,000/year fees saved for the company
- Analyzed APIs in production w/ Dynatrace, Coralogix, & k6, finding optimizations, load testing, and fixing errors
- Practiced Agile/Scrum, Azure DevOps, corporate communication skills, collaborating with & learning from team of 8

### LIGHTNING TECH

Marin, CA

#### Founder of Technology Consultation Business

September 2017 – Present

- Generated \$20,000+ revenues 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

### BELVEDERE-TIBURON LIBRARY

Tiburon, CA

#### Technology Specialist Intern (Paid)

May 2019 – February 2020

- Developed free web-enabled 3D printing services hosted on a Raspberry Pi web server
- Coded educational VR experiences and facilitated educational events for the public, focusing on elderly
- Maintained educational Linux servers and laptop system using command line interfaces

## Projects

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

[apps.apple.com/us/app/fitme-outfits-made-social/id1543589747](https://apps.apple.com/us/app/fitme-outfits-made-social/id1543589747)

- Taught self Swift and UX design to write 8,000 lines of code 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 chats 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, JavaScript, ReactJS, SwiftUI, .NET (dotnet), C#, React Native, Typescript

**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