Baraq Lipshitz

New York, NY

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Education

NEW YORK UNIVERSITY   New York, NY
B.S. in Computer Science. GPA 3.98/4.0; Dean's List   May 2024
Relevant Coursework: Data Structures & Algorithms (Python), Object Oriented Prg. (C++), Design & Implementation of Prg. Languages, Comp. Architecture, Linear Algebra, Data Analysis, Project Mgmt, Marketing, Discrete Math, Calc. 2, Physics

STANFORD UNIVERISTY   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 (99.5th 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
- 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, practicing Agile/Scrum and 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   Marin, CA
Founder of Technology Consultation Business   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

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
- 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/baraql/NYCAtAGlance

Skills

Technical: C++, Python, SQL, Swift, Java, Haskell, JavaScript, ReactJS, SwiftUI, .NET (dotnet), C#, React Native
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