

Education

Northeastern University: Bachelor of Sciences in Computer Science Class of 2023

Khoury College of Computer Sciences

GPA: 3.8 (4.0 after 1st semester)

- **Relevant Coursework:** Mathematics of Data Models, Object Oriented Design, Foundations of Cybersecurity, Bostonography: Data science course analyzing the data of Boston
- **Honors and Awards:** Dean's scholarship & Dean's list 2019-present, 1st place at Northeastern Interdisciplinary Case Competition, 1st place at Husky Health Innovation Challenge
- **Activities:** Competitive programming club, TAMID finance and consulting group, Leadership board at Northeastern Association for Computing Machinery (ACM), Revolve hip hop dance team

Certifications

- **Deep Learning:** Specialization certificate for Deep Learning (5 course series) on Coursera by deeplearning.ai, credential UW7XJ2WBD4A2. CNNs, RNNs, sequence models, regularization, hyperparameter optimization.
- **CS-191x: Quantum Mechanics and Quantum Computation:** EdX course from UC BerkeleyX, credential 18fb330fda7e47ec834dafaa682a5a0b. QFT, Grover's algorithm, Shor's algorithm, Hamiltonians, spin qubits.
- **Qiskit Certificate of Quantum Excellence:** certificate from IBM Qiskit Global Summer School 2020.

Software Skills

Deep Learning: Convolutional neural networks, Recurrent neural networks, Keras, Tensorflow

Quantum Computing: Qiskit, QFT, Grover's, Shor's, Hamiltonians, Schroedinger's equation, spin qubits

Languages: Go, Java, JavaScript & Node.js, Python (also familiar with R, C#, bash)

Technologies: GraphQL, MongoDB, Firebase / Firestore, Algolia, ElasticSearch, Redis, Cassandra, Linux, Git

Cloud: Microservices, Google Cloud, AWS, Heroku, REST, Internet of Things

Work Experience

Lead Developer – Deuce Technologies (College Athletics Social Network) 6/2018 - 8/2019

- **Pioneered development of alpha prototype** – led company to be accepted into a startup accelerator
- **Directed software design, architecture, and development** of a multifaceted social network system. Worked with GraphQL, Node.js, Google Cloud Functions, Algolia, Firebase/Firestore, and React Native
- **Managed a team of 5 software developers** to deliver multi-platform features on critical business deadlines

Software Development Intern – Zizmos (Earthquake Early Warning System) 6/2016 - 2/2017

- **Developed cloud-based, automated stress and scalability testing suites** to simulate failures and find scalability bottlenecks. Worked with MongoDB, RabbitMQ, and Node.js servers.
- **Collaborated with a worldwide team on Android app** with earthquake early warning and visualization
- **Developed simulation toolkit** for generating real time earthquake data

Leadership Experience

Venture Analyst – Northeastern's IDEA Venture Accelerator 1/2020 - Present

- **Conducted holistic business analysis** of ventures applying for bimonthly \$10k gap fund
- **Mentored and advised idea-phase ventures**, focusing on ideation and customer discovery

Founder, Lead Hackathon Organizer – MVHacks 11/2015 - 5/2019

- **Led organizing team** for MVHacks 2.0, a 12-hour, 150+ student hackathon
- **Planned event logistics, led outreach, secured \$22,000 of financial sponsorships** (Google, Microsoft, LinkedIn, Ford Research Labs, Cisco, and more)