

Marc Bacvanski

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Education

Northeastern University: Bachelor of Sciences in Computer Science Class of 2023
Khoury College of Computer Sciences **GPA: 3.8**

- **Honors:** Dean's scholarship, Dean's list since 2019
- **Activities:** Competitive programming club, TAMID group, Leadership board at Northeastern Association for Computing Machinery (ACM), Revolve hip hop dance team
- **Relevant Coursework:** Mathematics of Data Models, Object Oriented Design, Foundations of Cybersecurity, Bostonography: The City of Boston Through Data, Texts, Maps, and Networks

Certifications

- **Deep Learning:** course by deeplearning.ai, credential UW7XJ2WBD4A2
 - CNNs, RNNs, sequence models, regularization, hyperparameter optimization

Software Skills

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

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: Microservice architecture, Google Cloud, AWS, Heroku, REST, Internet of Things

Work Experience

Lead Software Developer – Deuce Technologies 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, using 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 6/2016 - 2/2017

- **Designed and developed infrastructure monitoring system** to detect failures of distributed cloud infrastructure components including MongoDB, RabbitMQ, and Node.js servers
- **Developed cloud-based, automated stress and scalability testing suites** for real-time systems by simulating failures and finding scalability bottlenecks in a system with thousands of nodes
- **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
- **Delivered actionable team insights** through work with Salesforce reporting
- **Advised and worked closely with 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)