

Greg Frasco

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@gregfrasco
Boston, MA

Experience

Software & Application Innovation Lab | Boston, MA Aug 16 | Present
Research Software Engineer

- Collaborate with researchers, faculty, and students to develop production level applications to aid research efforts in diverse topics and fields.
- Facilitate with the building of requirements, budgets, and technology stacks to design and develop a concept into a full production level application.
- Participate in technical consultations with researchers, faculty, and students.
- Supervise interns by delegating tasks, teaching best practices, holding workshops, and reviewing code.
- Assisting in hiring staff and interns by reviewing application, resumes and perform interviews.

Wentworth Institute of Technology | Boston, MA May 16 | June 18
Research Assistant

- Conducted research in machine learning with collaboration in interdisciplinary fields to produce an adaptive machine learning model to provide medical devices to give real-time feedback on patient conditions and how to improve them.

Startup Code Works | Cambridge, MA Apr 15 | Aug 15
Software Developer Intern

- Helped autism research by developing a system to securely record sequences of autistic triggers and built a mobile app to help annotate each sequence.
- Developed and tested applications for classroom-level survey assessments for K-12 education to provide research and analytic insights regarding teaching practices, student engagement, and school climate.

UTC Aerospace Systems | Windsor Locks, CT Apr 14 | Sept 14
Space Systems | Software Developer Intern

- Team Leader in the production of an internal application to reduce development time of components for the Aerospace Industry.
- Integrated a companywide Excel Ribbon Tab with modular tools that communicated with other software applications.

Air Management Systems | Software Developer Intern Jun 13 | Aug 13

- Created a tracking application that uses a radio frequency identification system to locate tools and parts across the facility to avoid factory shutdowns.
- Updated flow calibration meters' communication ports using USB 3.0 to synchronize with updated calibration hardware.
- Created software that assigned tasks to technicians for machine calibration, in addition to calibration reports and accuracy.

Publications

- **A Dynamic, Mobile Application Controlled, Brace for Stabilization of the Ankle Joint.** Greg Frasco, Ali Kiapour and Chen-Hsiang Yu. The 8th World Congress of Biomechanics (WCB'18), July 2018.
- **Reaching Smokers Who are Not Motivated to Quit: A Mobile App to Enhance Well-being and Encourage Cessation.** Belinda Borrelli, Kiera Bartlett, Greg Frasco, Alison Wearden, Frederick Jansen, Christopher Armitage, Andrei Lapets, Bethany Gill, Amie Gal. The 39th Annual Meeting Society of Behavioral Medicine (SBM), April 2018.
- **A Novel Mobile Application Controlled Adaptive Brace for Treatment of Ankle Joint Instability.** Walaa M. Aljefri, Walla Y. Subgha, Yousef H. Aldossary, Justin Gagne, Greg Frasco, Ali Kiapour, Chen-Hsiang Yu and Rabeeh Majidi. The 2017 IEEE MIT Undergraduate Research Technology Conference (IEEE URTC), Nov. 2017.
- **Smart Adaptive Boot for Ankle Instability Treatment.** Zi Wang, Howard Burpee, Hamza Tiridi, Justin Gagne, Greg Frasco, Rabeeh Majidi, Chen-Hsiang Yu and Ali Kiapour. The 2016 IEEE MIT Undergraduate Research Technology Conference (IEEE URTC 2016), Nov. 2016.

Education

Boston University
Graduate Coursework
Current | Boston, MA
Courses | Applied Cryptography, Machine Learning, Operating Systems

Wentworth Institute of Technology
BS Computer Science
Dec 17 | Boston, MA
Major GPA: 3.74 | GPA: 3.49
Courses | Artificial Intelligence, Machine Learning, Mobile Development, Web Development

Projects


MBTA Live
TypeScript Ionic Cordova | Android iOS
Hybrid Mobile Application built with Angular.js, Ionic, and Cordova. Use to display real-time tracking of MBTA transit vehicles and news.

Windows of Earth
Python Tensorflow | Image Processing
Built several supervised learning models and neural networks to classify and tag images taken from the international space station.

Anchor
Node | Full Stack MongoDB
An open source RESTful API with MongoDB database to act as a framework for future projects with features including authentication, backups, and analytics.

Bowtie Trader
Node Python Java | Finance Trading
Machine Learning algorithms to identify bullish and bearish patterns in stocks and cryptocurrencies.

Speed Test
Node Python | Full Stack PostgreSQL
Local server to record speed test results and to view change of service before and after net neutrality.

More Projects on GitHub 

Skills

Languages | Node, JavaScript, TypeScript, Python, Java, SQL, MongoDB
Frameworks | Ionic, Cordova, Angular, Android Tensorflow, OpenCV
Certificates | HIPAA, Python for Financial Analysis and Algorithmic Trading