

Aaron Leon

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Work Experience

Cofounder at Womomentum

Boston, MA, Dec. 2015 - Present

Womomentum (womomentum.io) is a 501(c)(3) non-profit that allows anyone around the world to donate to women entrepreneurs in developing countries. As the technical cofounder, I architected and implemented a donation platform that has raised over \$10,000 to fund 20+ women-run microbusinesses in 6 countries.

Technologies Used: Javascript, Node.js, AngularJS 1.4x, MongoDB

SWE Intern at Jump Trading

Chicago, IL, Jun. 2017 - Aug. 2017

Jump Trading LLC. is a proprietary trading firm that focuses on low latency algorithmic trading. At Jump Trading, I designed and implemented highspeed, web apps to replace legacy desktop apps.

Technologies Used: Python, Javascript, C++, QT, Tornado, Canvas

EECS 339 Teaching Assistant at Northwestern University

Evanston, IL, December. 2016 - Jun. 2017

EECS 339 is an undergraduate/graduate course in Database Management Systems that introduces students to SQL/MySQL and the internals of modern relational databases. As a TA, I hosted office hours, graded exams and projects, and gave supplementary lectures.

Technologies Used: SQL, MySQL

Developer at MADStudio

Evanston, IL, Sep. 2016 - Jun. 2017

The Media and Design Studio (MADStudio) provides in-house technology solutions for Weinberg School of Liberal Arts and Sciences at Northwestern University. At MADStudio, I developed an interactive archiving application that is used by the Freshman Art History Seminar curriculum.

Technologies Used: PHP, MAMP, Omeka, CartoDB

Software Engineering Intern at Uptake

Chicago, IL, Jun. 2016 - Sep. 2016

Uptake is a predictive analytics company that creates custom data science solutions for industries like rail and construction. At Uptake, I restructured the deployment infrastructure of the core data science engines to increase modularity and scalability.

Technologies Used: Java, Scala, AngularJS, Bash, Docker, Marathon, Mesos

Research Assistant at FUSE

Evanston, IL, Jun. 2015 - Jun. 2016

FUSE is a research team that studies and promotes STEM education. At FUSE, I codesigned "How to Train Your Robot", an educational challenge used to teach programming and robotics to 10,000+ middle and high school students from 170+ sites. I also developed internal data visualization tools and extended the open source graphical programming interface Ardublock.

Technologies Used: MATLAB, Java, Drupal, Arduino

Project Experience

Empathic Systems

Evanston, IL, Mar. 2015 - Dec. 2016

At Empathic Systems, I prototyped tinyLab, a modular biometric smart watch intended for use in non-laboratory setting research. tinyLab was designed to serve as a more cost-efficient and customized solution for wearable data collection.

Technologies Used: Arduino, RFduino, C++, Solidworks, 3D Printing

Education

Northwestern University

Evanston, IL, 2014 - 2018

Bachelor of Science in Computer Science, GPA: 3.63
Coursework: Machine Learning, Statistical Language Modeling, Artificial Intelligence, Concurrent Programming in Rust, Human Computer Interactions, Database Management Systems, AGILE Project Management

Extracurriculars

Director of EPIC Tech Team

I am the Director for the Tech Team of EPIC, Northwestern's premiere student entrepreneurship group. I mentor and lead a team of 10 student developers to architect and implement client projects.

Other Extracurriculars

Asian American Intervarsity, Website Chair at Sigma Nu
Formerly: Chair of Alumni Relations of AIChE, ISBE Tech, Alpha Phi Omega

Awards

2nd Place, Babson B.E.T.A. 2017

Finalist, Mass Innovation Night 2016

Finalist, Wildhacks 2015

1st Place, OpenBuild:Lacuna 2015

2nd Place, BattleHack Chicago 2015

Technologies

General: Javascript, Java, Python, C++, Rust, Bash
Web Development: Javascript, Node.js, AngularJS
Data Analysis: Python (NumPy, SciPy), MATLAB, Scala
Mobile Apps: Ionic, Cordova

Languages

English (Native), Cantonese (Native), Spanish (Proficient), Mandarin (Basic)