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EDUCATION

Providence, RI　　　　　　　　**Brown University**　　　　　　　　**Fall 2013 – May 2017**
- B.S. in Computer Science, expected May 2017. Major GPA: 3.43
- Undergraduate Coursework: Algorithms, Databases, Computational Biology, Computer Security, Software Engineering, Computer Systems, Theory of Computation, Functional Programming, Data Structures, Discrete Mathematics

SKILLS

Programming
- Scala, Java, Python, C, SQL, Go, Javascript/JQuery, HTML/CSS, PHP, Latex

Technologies
- Apache Spark, Lambda Architecture, Apache Kafka, HDFS, LAMP Stack, Docker, MongoDB, Neo4j, Git, Linux/Windows/Mac, MySQL, SQLite, Virtualbox, Eclipse

EMPLOYMENT

Data Science Intern　　　　**Velankani Information Systems**　　　　**May 2015 - Sept 2015**
- Worked directly with the CTO to use Apache Spark, Kafka, Hadoop, MongoDB, Neo4j, AWS, and machine learning to build a scalable distributed data analysis application for processing live streams.
- Designed architecture for stream analytics based on Lambda Architecture and implemented a Twitter job classification and analysis platform. Discovered that job availability on Twitter is an illusion.
- Project open sourced with Apache 2.0 license and placed at github.com/xytosis/dataworx.

Co-founder and Engineering Lead　　　　**MAHI Technologies**　　　　**May 2015 - Current**
- Our first product MAHI, or Machine Amplified Human Intelligence, can be found at https://mahi.tech. We have received multiple funding offers.
- Created to seamlessly enhance human knowledge in conversations, research, and meetings. The system uses speech recognition to identify topics in conversation and makes intelligent decision about the subject to display information and gather other topics that are relevant.
- Designed and implemented entire backend and parts of the UI. Manages web hosting and API.

Teaching Assistant　　　　**Brown University Dept. of CS**　　　　**Spring 2015 - Current**
- Duties include holding weekly office hours, grading homework and exams, and developing course material such as homework questions or code contributions.
- Fall 2015: CSCI0330, Introduction to Computer Systems
- Spring 2015: CSCI0180, Integrated Introduction to Computer Science

PROJECTS

Maps (April 2015)
- Implemented Google Maps like application from scratch with backend in Java and frontend as a web UI. Backend exposes API to web interface, which sends Ajax requests to fetch information within a square area to display. Frontend caches fetched data for faster display.
- Users can click points on map and get highlighted shortest route with directions and can also input start and end street names. Also is able to handle and display real time traffic and factor into shortest distance calculation.

Card Authentication API (May 2015)
- Built with 3 other teammates to create a replacement for the Brown Engineering Design Workshop card swiping and authentication system for different machines.
- API written in Java keeps track of user permissions and locations on where they swiped in from, has admin accounts that can add/delete users and monitor where users are logged in on web UI. Has analysis engine on top of database and can view graphs of historical activity.

ADDITIONAL EXPERIENCE AND AWARDS

- Founding member and Vice President of Brown Data Science Club