

ROHUN CHOPRA DHAR

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EDUCATION

Tufts University - (2014 - present)
Awards: Dean's List Fall 2015
Major GPA : 3.4

Majors : Computer Science & Japanese

WORK EXPERIENCE

Digital Garage, Software Engineer Intern, *Tokyo, Japan / San Francisco, CA* January 2017-April 2017

- Worked with the DGLab Blockchain team to host a conference designed to teach Japanese companies the basics of blockchain technology.
- Connected with several technical engineers from Blockstream in a joint effort to create a points-exchange system scheduled for an upcoming Japanese release; doubled role as translator and assistant developer.

Altimetrik, Software Engineer Intern, *Southfield, MI* May 2016-August 2016

- Developed a mobile parking app for Ford Motor Company working with an international software development team.
- Designed algorithm and database to create, store, and map unique case id's from each parking instance to an owner's vehicle using Cloud Foundry, SOAP, and MongoDB.

Energy Power Systems, Student-Intern, *Detroit, MI* April 2013-August 2013

- Assisted in testing and compiling measurements and data for current, voltage, corrosion, impedance and internal resistance of batteries for evaluation and interpretation by staff scientists.
- Organized and presented data and conclusions to supervisors. Performed literature reviews of manuscripts and patents for Nickel-based hybrid car batteries for MRL staff scientists.

PROJECTS

Bitcoin Contributor, *Tokyo, Japan / San Francisco, CA* February 2017- April 2017

- Assisted technical engineers at Blockstream in the development and testing of Elements-Next, an open source implementation of advanced blockchain features which extend the Bitcoin Protocol.
- Performed extensive testing on Confidential Assets, and incorporated blinded assets into DGLab's points-exchange system.
- Became a bitcoin contributor during this time by making adjustments to the Bloom Filter in Bitcoin Core; pull request merged on May 18, 2017.

Biscuit : Find your Jam, *Boston, MA* November 2015

- Created a website to help local musicians connect and communicate based on their instrument, skill-level, and location.
- Built server-side to react to client operations, implemented real-time chat with socket.io, and used Facebook API to install personal login features.

Skills

- Languages: Javascript, C , C++, Python, AMD64 assembly language, Japanese , Scheme, HTML5/CSS
- Tools and Technologies: Node.js, Express.js , Git, mongoDB, jQuery, GDB, CloudFoundry,
- Software: Logic X Pro, Emacs, Sublime Text , Eclipse
- Web development, Game development, Data structures and algorithms , Machine language and assembly

Extracurricular Activities

Sachi Baath, Co-creator and Director, *Bloomfield Hills, MI / Mumbai, India* August 2012-present

- Researched, developed and composed culturally sensitive musical street-plays to deliver public health messaging across India. Created a safe space for people to come forward and speak about child sexual abuse, which plagues India at an incredible 1 in 3 rate.
- Develop strategic partnerships with NGOs and organizations in India to build community awareness

South End Technology Center, Program Coordinator, *Boston, MA* September 2015-present

- Developed a series of after-school programs designed to engage middle-school and high-school students in computer science and technology.
- Designed and taught curriculum for beginner, intermediate, and advanced levels of Arduino programming using the SparkFun RedBoard and the Mini USB Nano V3.0 Board.