# Dany Haddad

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## EXPERIENCE

**Originate** — Los Angeles, CA
*Software Engineer, Tech Lead* — March 2016 — Present
- Developed the automated data aggregation and analysis for commercialsearch.com, a commercial real-estate search tool
- Exosphere-SDK framework for building distributed microservice oriented software projects
- Part of the core team volunteering time to build Werk.com, a platform enabling women's careers in underrepresented fields

**MPR Associates** — Alexandria, VA
*Electrical Engineer* — August 2015 — March 2016
- Built software toolset to interface a 10 MW battery based renewable energy storage facility
- Using simulation and theoretical analysis, configured and validated the operation of an open phase detection system for nuclear power plants
- Wrote a software library to help engineers model nuclear power plants and generate simulation parameters for different contingency conditions

**University of Texas** — Austin, TX
*Student and Volunteer Researcher* — August 2013 — 2015
- Designed and built a bluetooth connected headset that monitors the user's body temperature, blood oxygen level, heart rate, and the number of steps they take per day
- Helped graduate students build software to demonstrate their research in electrical fault detection using the wavelet transform and in an energy demand response systems for HVAC units

## EDUCATION

**University of Texas at Austin**
*Bachelor of Science, Honors Electrical Engineering (**GPA: 3.87**)* — May 2015

## SKILLS

- Experience designing RESTful APIs
- Experience building 'serverless' web apps
- Experience building APIs using GraphQL
- Proficient building application backends that leverage the Node.js platform
- Proficient in Python, Javascript, Clojure and Common Lisp
- Ability to quickly process large quantities of unstructured data
- Ability to understand, build upon and improve previous engineers' work
- Self-starter, eternal student, persistent problem solver, highly effective communicator and team member
- Thrives in a startup environment

## INDEPENDENT PROJECTS

- Developing a tool to teach circuit analysis to electrical engineering students
- Melody extraction tool for transcribing polyphonic music
- Contributor to core.matrix.complex, a Clojure library for working with complex valued matrices
- Contributor to StumpWM, written in Common Lisp
- Contributor to multiple open source Emacs Lisp tools
- Contributor to Tertestrial, a software testing framework