

# Frazier Mork

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## EDUCATION

### CodeFellows

Expected May 2016 | Seattle, WA  
Certificate in Full-Stack JavaScript

### University of Minnesota

2013 - 2015 | Minneapolis, MN  
Coursework in Materials Science and Engineering

### Carleton College

2009 - 2013 | Northfield, MN  
BA in Physics, *Cum Laude*

## SKILLS

### Proficient:

JavaScript • Angular 1.5 • Node.js  
Express • MongoDB • jQuery  
HTML/CSS • Responsive Design  
REST APIs • Asynchronous JS  
Mocha/Chai • Jasmine/Karma

### Intermediate:

React • d3.js • Python • SQL  
UX • Bootstrap

## HONORS

### Carleton College Physics Student

#### Departmental Advisor

2012 | Departmental

### McGraw-Hill National Merit Scholar

2009 | National

## PROFILE

Full-stack web developer, voracious learner, and lover of all things math and science. Background in experimental condensed matter physics but exploring a newfound love for coding and the creative outlet it provides. Other interests include typography and design, machine learning, and civic engagement through programming.

## PROJECTS

### SCOTLAND YARD | Online Game

May 2016 | placeholderlink.com

- Built a modern, responsive site with Angular 1.5, bootstrap, node.js and express.
- Collaborated with a team and interacted with their database with a REST API.
- Wireframed frontend and implemented UX principles for interaction design and information architecture.

### TWITTER-BOT | Twitter Bots Made Easy With Node.js

March 2016 | www.npmjs.com/package/twitter-bot

- Module facilitates building bots using Twitter's REST and streaming APIs.
- Barrier to entry lowered so that simple bots require only 20 lines of code.
- Contributed to open-source community by publishing to npm.
- Developed project idea and acted as scrum master and technical lead throughout development.

### SIRENFINDER | Seattle 911 Call Mapping Tool

Feb 2016 | sirefinder.herokuapp.com

- Used Seattle's open-data REST APIs publish by Socrata and Google's maps API.
- Presented project at Socrata's internal developer meeting in March 2016.
- Built a responsive frontend using jQuery, flexbox, and SMACSS principles.
- Pitched initial idea and the led project team through the development process.

## EXPERIENCE

### CODEFELLOWS | Lead Teaching Assistant

May 2015 - Present | Seattle, WA

- Taught MEAN stack technologies to advanced students.
- Collaborated with instructor to refine high level Javascript curriculum.

### LEIGHTON GROUP, UMN | Graduate Research Assistant

Nov 2013 - Oct 2015 | Minneapolis, MN

- Studied Iron Disulfide FeS<sub>2</sub> (fool's gold), a candidate photovoltaic material.
- Measured temperature dependence of magnetic and electronic behavior in synthetic single crystals to study surface conduction mechanisms.
- Also used AFM, SEM, XRD, Confocal Raman Spectroscopy, and CVT.

### CORNELL UNIVERSITY CNF | REU Summer Researcher

Summer 2012 | Ithaca, NY

- Studied resolution of SCIL, a semiconductor patterning technique.
- Used cleanroom facilities to achieve repeatable results at the nanometer scale.
- Made extensive use of electron-beam lithography as well as AFM, SEM, sputtering, thermal deposition, DUV photolithography and imprint lithography.