# James Patrick Fulford

Harvard-educated American Software Engineer and Mathematician
seeking intermediate-level opportunity in Machine Learning.
Long-term aspirations include doctoral studies at MIT.

## Academics

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|---|---|---|
| Harvard University, Cambridge MA \| Masters, Info. Mgmt. Systems | GPA 4.00 | current |
| Charter Oak State College, New Britain CT \| Bachelors, Business and I.T. | GPA 4.00 | 2018 |
| Rivier University, Nashua NH \| Bachelors, Math and Computer Science | GPA 3.99 | 2017 |
| Manchester Community College, Manchester NH \| Associates, Computer Science | GPA 4.00 | 2016 |
| Virtual Learning Academy Charter School, Exeter NH \| High School | GPA 4.00 | 2015 |
| Massachusetts Institute of Technology, Cambridge MA \| Summer Program | Distinction | 2014 |

Highlights
- Perfect GRE math score — 2017
- Published in peer-reviewed journal (ISSN 1559-9388), cataloged at Library of Congress — 2017

## Experience

**Cisco Systems, Boxborough MA | Front-end Software Engineer** — current
Developed UI for Customer Journey Platform (cloud call center / customer service product)
- Control Hub: *AngularJS, TypeScript, Karma/Jasmine Unit Testing, Git*
- Agent Desktop: *AngularJS, Mocha/Sinon/Chai Unit Testing, Jenkins*

**C Squared Systems, Auburn NH | Software Engineer** — 2018
Released Network Device Monitoring Software, QA development
- QA Development: *Python, SQL, pandas*
- Release Engineering: *Ansible, Bash, Linux, MySQL Administration*

**Manchester Community College, Manchester NH | Web Developer** — 2017
Maintained and upgraded college's LAMP-stack website (part-time)
- Data Integrity: *Python web scraping, SQL*
- CMS: *jQuery, Javascript, HTML, CSS, Joomla*

**Family Business, Amherst NH | Web Developer** — 2014 to 2017
Assisted in executing digital marketing plans for high-profile customers (part-time)
- Web Design: *Javascript, HTML, CSS*
- Social Media Automation: *Python, REST API integration*

**Front-end**: React/React-Native, Redux, AngularJS, Typescript, Mocha, Karma, jQuery, HTML5, CSS3, Javascript ES6
**Back-end**: Python, Node, REST APIs, SQL, pandas, OpenCV, TensorFlow, Keras
**Miscellaneous**: Linux, Ansible, NPM, Agile, CI/CD, Jenkins, Git, GitHub, SonarQube

## Independent Project

**An Ounce of Silver Ministries, Amherst NH | Founder** — current
Architected, built, and deployed 'Is It Shabbat?', a react-native iOS app
- App: *React-Native, Redux, Mocha/Sinon/Chai/Enzyme Unit Testing*
- Miscellaneous: *NPM publish ('shabbat-logic'), BitBucket Pipelines, Git, SonarQube, NPM, Mocha*

## Hackathons and Bootcamps

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|---|---|
| Udacity's Autonomous Vehicle Nanodegree Program \| Machine Learning and Computer Vision | current |
| Two Sigma's Halite II Coding Hackathon \| Python3 bot developed | 2018 |
| Colt Steele's Web Developer Bootcamp \| full-stack app developed | 2017 |
| Dyn Hackademy \| invitation only, youngest attendee | 2016 |

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