# **James Fulford**

Harvard. Software Engineer. American.

## **Academics**

Harvard University	Masters	Information Mgmt. Systems	4.00 GPA	2018 - 2021
Charter Oak State College	Bachelors	Business & I.T.	4.00 GPA	2018
Rivier University	Bachelors	Math and Computer Science	3.99 GPA	2014 - 2017
Manchester Community College	Associates	Computer Science	4.00 GPA	2016
Massachusetts Institute of Technology	Program		Distinction	2014

#### **Harvard University Intensive Coursework**

- Capstone: planned fictional hotel system migration with emphasis on risk management during migration
- Agile Methodologies: was product owner and lead developer of my team, used Scrum, Django, React, Docker
- Text Analytics: trained and deployed LSTM-based NLP models for sentiment analysis with SpaCy, Flask
- Cloud Computing with Azure: developed C# APIs and webapps with cloud native architectures

### **Highlights**

- ranked 99th percentile among graduate students on GRE math score
- published statistical paper in peer-reviewed journal (ISSN 1559-9388), catalogued in Library of Congress

## **Experience**

## Software Engineer, Cisco Systems, remote 2018 - now Owned and coded UI and API projects and products headed 6 engineers to deliver webhooks at scale with Kafka, Kubernetes, Spring, Gatling lead 2 engineers API Gateway with metering plus auth and rate limit policies with Istio, Lua, Grafana ran 8 engineers to deliver quarter commits, fix 100+ bugs, and order backlog in 4 months delivered API project 2 weeks early with Apache Flink, Elasticsearch, Spring, OAuth2, Scrum assumed roles of Security Advocate, Scrum Master, and Product Owner across different projects identified S1 vulnerabilities and coordinated closure across engineering silos prototyped Tableau integration and Al-powered Call Recording Sentiment Analysis apps prototyped web components micro frontend layout engine with third-party UI extensibility used Angular JS, Angular 4, TypeScript, React, Jenkins, Go (golang), Node, Python

Software Engineer (Release), C Squared Systems, Auburn NH Upgraded production servers at night while enhancing release processes with Python	2017 - 2018
Web Developer, Manchester Community College, Manchester NH, part-time	2017

Maintained college's Joomla CMS website 2014 - 2017 Web Developer, Family Business, NH, part-time

Provided digital marketing services to clients, built social media scheduling integration with Python

# Drainate

Trojects	
Solomon, Web App	2020 - now
Launched webann to predict future cashflows using React. Diango. OAuth2: solomon money	

2019 - now Author, Medium

Wrote curated articles on modern software engineering: james-fulford.medium.com

- philosophy of software testing and application to React Hooks
- foray into the world of writing and deploying stock-trading algorithms
- building better UX for long-input forms

#### Is It Shabbat? Web and Mobile Apps 2018 - now

2019

Published iOS and web app using React Native: isitshabbat.net

#### Self-Driving Car Engineer Nanodegree, Udacity

- integrated path planner, controller, and traffic light ML classifier ROS nodes in Python
- developed projects using computer vision and convolutional neural networks with Keras
- implemented extended Kalman filter to fuse LIDAR and RADAR tracking data in C++