

# allen tan

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## + education

University of Massachusetts Amherst Sept. 2013 to May 2018  
B.S. Math 2018  
Concentration: Mathematical Computing

## + employment

**John Hancock** Westwood, MA and Boston, MA  
*Full Stack Software Engineer* Feb. 2019 to Current

- Created calculation engines to provide projected financial data to front end
- Worked on a user interface using React to display a participant's projected retirement information
- Used external API to pull in data for a participant's health spending in retirement
- Used Agile methodology, including pair programming and test driven development
- Created Docker deployment files and Azure Kubernetes Services config files to deploy a project
- Ensured builds were passing on TeamCity and completing Fortify and Snyk tests
- Wrote end to end tests with WebDriverIO
- Used Springboot to create a backend for our Quant team's needs

**Pegasystems** Cambridge, MA  
*Web Developer and DevOps Intern* May 2017 to Aug. 2017

- Created a new dashboard using Dashing.js framework to monitor product pipeline on Cloudbees Jenkins and display most recent build results with pictures of contributors/culprits
- Researched and built a dashboard using Capital One's Hygieia framework to monitor pipeline resources and current status
- Created a new gauge widget for Dashing.js framework to monitor commit percentages
- Upgraded a data aggregator project to gather pull request data from internal source control and store it in a mongoDB database

**United States District Court of MA** Seaport, MA  
*Web Developer and IT Intern* May 2015 to Jan. 2017

- Created three validated web forms for employees to request workspaces for new employees, reassign a new judge to a case, and email attorneys with case sensitive data
- Created a web app for jurors to order courthouse food, refreshments, and cancel orders. Form is verified and the results are sent to a chef afterwards
- Created a web app for authorized personnel to assign 63 parking spots to judges, employees, and visitors using a GUI

## + awards

**UMass Amherst · Gerald F Scanlon Student Employee of the Year** May 2018  
Awarded to students who have demonstrated outstanding performance by contributing their time and/or skill to help the University achieve its goals and objectives

## + skills

LANGUAGES	FRAMEWORKS	TOOLS
Java	NodeJS	MongoDB
HTML	AngularJS	Git
CSS	jQuery	MySQL
Javascript	Mocha	REST APIs
Python	ReactJS	Postman
SQL		TeamCity
.NET Core		Artifactory
		Docker

## + projects

**Censei** Oct. 2016 to Oct. 2016

- Created a node package to detect online harassment posts and prevent them from being posted
- Used IBM Watson's tone analyzer and Clarafai's Image Processing API
- Product of HackUMass IV

**cRank** Mar. 2016 to Mar. 2016

- Created a social media Android and iPhone app to track carbon emissions from vehicles and compete with friends
- Used Ionic framework with HTML, CSS, Angular, MongoDB, and Mongoose
- Product of HackHamp I

**MindMap** Oct. 2015 to Oct. 2015

- Created an application that takes resumes as user input and displays a graph of others with similar interests
- Product of HackUMass III

## + activities

**Team USA OCR Athlete** Nov. 2014 to Current

Competitive athlete in obstacle course racing with distances varying from 3 to 30 miles long. A true test of grit, courage, and camaraderie. Achievements until now include multiple Spartan Trifectas and competing in the Obstacle Course Racing World Championships as a member of Team USA