

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
Full Stack Software Engineer Feb. 2019 to Current
- Worked on back end calculation engine work using NodeJS to provide data to front end
- Worked on a front end display using ReactJS that shows a participant's data for them
- Used Agile methodology under extreme programming to create products, including pair programming and test driven development

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
Major League Hacking · HackHarassment Winner Mar. 2016
Won with Censei
Major League Hacking · Hackathon Finalist Oct. 2015
Advanced with MindMap

+ skills

LANGUAGES	FRAMEWORKS	TOOLS
Java	NodeJS	MongoDB
HTML	AngularJS	Git
CSS	Dashing.js	MySQL
Javascript	jQuery	AWS
Python	Mocha	Heroku
Matlab	ERB	Mongoose
SQL	ReactJS	REST APIs
		Postman

+ 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

RX Athlete July 2017 to Current
Training for elite obstacle course and weight lifting competitions at RX Strength Training in Somerville, MA

Spartan Race · Age Group Competitor Nov. 2014 to Current
Competitive athlete in an obstacle course race with distances varying from 3 to 30 miles long. A true test of grit, courage, and camaraderie. Achievements until now include a Spartan Double Trifecta and competing in the Trifecta World Championships