allen tan

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✚ education

University of Massachusetts Amherst
Sept. 2013 to May 2018

B.S. Math 2018

Concentration: Mathematical Computing

Coursework: Data Structures, Algorithms, Discrete Mathematical Computing, Machine Learning, Computer Graphics, Formal Language Theory, Statistics, Calculus I and II, Multivariate Calculus, Linear Algebra, Scientific Computing

✚ employment

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

CMASS at UMASS
Umass Amherst

Creative IT   Sept. 2014 to May 2018

- Used Photoshop to create flyers to promote campus wide cultural and educational events
- Used Sony Vegas to create promotional videos showcasing culture and talent from UMass students

✚ 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		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 ·   Nov. 2014 to

Age Group Competitor   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