

ALLEN TAN

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EDUCATION

Bachelor of Science | Spring 2018 | University of Massachusetts Amherst

Major: Mathematics, Concentration in Mathematical Computation

Minor: Information Technology

WORK EXPERIENCE

Pegasystems

May 2017 – August 2018

DevOps Software Engineer Intern

- Environments: Dashing, Ruby, CoffeeScript, SCSS, ERB
- Created a new dashboard using Dashing framework to monitor product pipeline on Cloudbees Jenkins and display most recent build results with pictures of contributors/culprits
- Created a new gauge widget for Dashing framework to monitor commit percentages
- Added functionality to 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

May 2015 – December 2016

Full Stack Web Developer and Information Technology Intern

- Environments: JSP, JavaMail, Tomcat servlets, Angular, Bootstrap, ExpressJS, NodeJS, MySQL
- Completed Projects:
 - 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
 - Web app for jurors to order courthouse food, refreshments, and cancel orders. Form is verified and the results are sent to a chef afterwards
 - Web app for authorized personnel to assign parking spots to judges, employees, and visitors. Pulls in data for 63 parking spots from a MySQL database, displays the results in a graphical parking interface, and allows authorized user to change the status of a spot on the interface with automatic visual changes accordingly. Increased efficiency of maintaining parking data by 100%; simple Excel sheet was used to keep track before the app was created
- Answered help desk calls, resolved computer problems, and set up courtroom tech

PROJECTS

Censei

October 2016

- 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

March 2016

- 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

October 2015

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

HONORS AND AWARDS

- 2018 Gerald F. Scanlon Student Employee of the Year
- Winner of MLH Sponsored HackHarassment Prize at HackUmass 2016
- Finalist at HackUMass 2015
- Spartan Race: Sprint 2016, 2017, 2018 Finisher | Super 2017, 2018 Finisher | Beast 2018 Finisher
- 2014 Blackstone Scholarship Recipient
- 2013 AP Scholar
- Dean's List