

Tony Student

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EDUCATION

Middlesex Community College (MCC) – Bedford, MA

Aug 2018 – Present

- Computer Science Major
- GPA: 4.0 / 4.0

SKILLS

Programming Languages: Java, JavaScript, Python, Windows Batch Scripting, Powershell

Technical Work: JIRA and Agile, HTML, AngularJS, Vue.js, React, Git, Gradle/Maven, Node.js and Express, SQL, MongoDB, Flask, Jenkins, Tomcat, Jersey, VirtualBox

Operating Systems: Windows, Linux

EXPERIENCE

Software Engineering Intern – Avid Technology, Burlington, MA

Aug 2018

- Implemented Powershell scripts to migrate source trees from AccuRev to GitLab. These scripts reduced source tree from 20 GB to 1.9 MB by moving binaries to an internal Nexus server and generating Gradle properties files to download them automatically. Tested the migration by hosting a private GitLab server with a Linux VM on VirtualBox and set up CI to test build.
- Created Jenkins pipelines and executors to download nightly builds from internal server and run Windows Batch scripts automatically to test the installers.
- Developed a Profile Manager webapp with JavaScript, React, Tomcat, Jersey, MongoDB Java Driver and MongoDB. JavaScript calls REST endpoints to read/write to the MongoDB. Can store a profile with any number of name-value pairs and search with key, name, or value;
- Kept track of user stories in kanban board using Agile through Jira

PROJECTS

LexHack: Movie Web Scraper (MCC)

Nov 2018

- Designed a web scraper server with Python and Flask to analyze HTML pages from IMDB website. Designed to display movie list using webapp with JavaScript/HTML by calling REST API exposed through Flask server.

Popular API webapp Personal Enrichment Project

Nov 2018

- Implemented a web app that called Youtube, Google Map/Calendar, and Affectiva's emotion recognition API. Using AngularJS framework, users can enter a Youtube URL to find any video and use a webcam to see Affectiva interpreting their emotions in real-time.

HackUMass, University of Massachusetts at Amherst

Oct 2018

- Achieved top 3 finalist of 121 teams and 1000 hackers. Collaborated with 2 other people using Leap Motion, Python SDK, Flask, Flask-SocketIO, JavaScript, and HTML to create a motion activated music controller.
- Ensured certain hand gestures are registered as media commands such as play/pause, skip track, and control volume. Commands are shown on a browser by opening a websocket to the Flask server and displaying results with JavaScript.

Personal Bank Tool (MCC)

Sept to Oct 2018

- Programmed a webapp banking tool with React, Tomcat, Jersey, Java, and SQL Server. Designed for users to enter bank transactions into the browser to call REST API endpoints through the Tomcat server and read/write to the SQL database with Java and the Microsoft JDBC driver.
- The React and JavaScript web interface shows balance changes using a summary table, line graph, and income/expenses pie charts.