Julian Shomali

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EDUCATION

Michigan State University; *East Lansing, MI*   December 2021
M.S. Computer Science & Engineering

Michigan State University; *East Lansing, MI*   May 2020
B.S. Computer Science & Engineering w/ Minor in Cognitive Science
Relevant classes: Data Structures & Algorithms, Big Data Analysis, Operating Systems, Object Oriented Software Design, Discrete Mathematics, Computer Architecture & Organization (Learning Assistant 2019), Introduction to AI, Biometrics & Pattern Recognition

EXPERIENCE

Delta Dental of Michigan; *Application Development Intern, Okemos, MI*   Oct 2019 – Present
One of the largest dental plan administrators providing the best dental options nationwide
- Working in an agile (SCRUM) environment with the Triage and Feature-Provider teams providing support when necessary
- Utilizing SQL (ORACLE, MySQL) and Java (EJB) to debug any given task assigned on the Ivanti ticketing service
- Helping with the integration of Delta Dental of Minnesota by processing and splitting claims to optimize runtime using SQL

MSU CSE Capstone/Volunteer; *Mozilla Firefox Software Engineer, East Lansing, MI*   Jan 2020 – Aug 2020
Open-sourced web browser with the mission of keeping the internet open and accessible to all
- Capstone Experience class working with Firefox Engineers to convert old localization system to a new system using Fluent
- Convert old (DTD files) strings to new (Fluent files) strings, while utilizing HTML, JavaScript, and Python
- Fixing the Yellow Screen of Death for millions of users of Firefox to experience a better localization experience

MRM // McCANN; *Technology Intern, Birmingham, MI*   June 2019 – Aug 2019
One of the top global direct and digital marketing agencies providing creative and innovative solutions
- Worked with project managers, QAs, and developers to ensure success in given projects in an agile environment
- Supported clients' applications by maintaining any requested updates (GM, Ronald McDonald House)
- Created multiple APIs using JavaScript for Ronald McDonald House App users to provide a better experience
- Applications built using HTML, CSS (Bootstrap), & JavaScript (Vue.js, React, jQuery) with source control (Git w/ Bitbucket)

Spartan Innovations; *Mobile Application Developer Intern, East Lansing, MI*   Sept. 2018 – May 2019
Educational and financial support to turn MSU research technologies into successful businesses created by students
- Interacted with student entrepreneurs by assisting them with their business idea and explained the technical aspect of their idea
- Mobile apps built using Ionic and Firebase, had biweekly meetings with clients to explain the process of their application
- Created a mobile app that finds nearby bars and their deals for a student using the above technologies

LEADERSHIP

Spartan Hackers; *President (2018), Hackathon Chair (2017), East Lansing, MI*   Jan 2017 - Dec 2018
- Ran the biggest computer science club by having weekly workshops, local hack day, and getting students to hackathons
- Held web, mobile, and other tech workshops for students and maintained connections with other universities' hackathons
- Maintained the most student involvement in years and brought up the Spartan CSE community's skills

SpartaHack; *Logistics Coordinator, East Lansing, MI*   Aug 2017 – May 2019
- MSU's 36-hour hackathon, in partnership with Major League Hacking, that invites students to compete and learn new skills
- Mentored students throughout the event, ordered meals for 500 students, and contacted faculty to acquire Wells Hall
- About 500 students learned and improved on their skills with sponsors being impressed on event being well run

PROJECTS

Personal Website; *Personal project website to present more about my life (**julianshomali.com**)*
- Created from scratch using ReactJS (JSX), Node.JS, and CSS to showcase more about myself

Predicting Vehicle Crime; *Big Data Analysis school project*
- Using python (sklearn, pandas, numpy, surprise), JupyterLab, and statistical analysis to predict the next vehicle crime in LA

Drinkery; *Mobile app created during my Spartan Innovations internship to find bars w/ deals nearby (currently on the app store)*
- Implemented Facebook, Google, and E-Mail log in, made a profile page to show sign-in attributes, helped implement the Google Maps API to find the nearest bars based on user location, and followed the UI design per request

HackHarvard 2017; *Cambridge, MA*
- Built mobile app to connect animal shelters with people using JavaScript (React Native) and Python

HackMIT 2019; *Cambridge, MA*
- Created application to connect non-profit organizations with volunteers. Built in Python, JavaScript (React), Cloud Firestore

HackIllinois 2018; *Champaign, IL*
- Participant focusing more on mentoring students with any question they had

MHacks 2018; *Ann Arbor, MI*
- Bus coordinator and participant focusing on mentoring students with any question they had

HackIllinois 2017; *Champaign, IL*
- MarIO – Mario game using genetic algorithm to help Mario finish each level by learning from mistakes