

Michael Wesley Jones

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EDUCATION

Syracuse University, College of Engineering and Computer Science (ECS) – Major: Computer Science – GPA: 3.8 May 2022
Dean's List Fall 2018 – Spring 2021
National Society of Collegiate Scholars Spring 2019 – Fall 2019

SKILLS AND INTERESTS

Software: Java, Python, Spring Boot, C/C++, Nginx, HTML, SQL, Docker, Racket, JavaScript, JQuery, Django, x86 Assembly
Interests: Video Editing, Photography, Hiking, Weightlifting, Waterskiing, Soccer

WORK EXPERIENCE

Software Engineering Intern, Garmin, Olathe, KS June – August 2021

- Maintained 6 Spring Boot Maven projects which serve core functionality for the Garmin Jr app
- Modified and created over 10 backend API endpoints for the Garmin Jr App
- Integrated MySQL database with Java backend and wrote SQL queries for commonly used services
- Solo developed a Nginx-Docker testing environment containing 6 containerized applications for the Jr API team
- Improved readability of unit testing by adding clear documentation for all new API endpoints
- Generated testing code for API endpoints using JUnit and Mockito mock framework

IT Support and Development Intern, Anokiwave, Billerica MA May – August 2020

- Utilized Grails to build a wizard application to help HR with onboarding process
- Designed a Microsoft Power Automate Flow to facilitate document transactions between supervisor, employees, and HR
- Created an Excel VBA script to automate important document control within the Engineering department
- Trained the Engineering team on how to use and maintain the Excel VBA script

Engineering Intern, Anokiwave, Billerica MA May – August 2019

- Modified Python scripts used in manufacturing testing to improve device tracking and user feedback
- Generated yield plots and analyzed test results using Spotfire and Excel

ENGINEERING APPLICATIONS

Nibble, CIS 454 (Software Implementation) March – April 2021

- Learned Asp.net framework to co-create a recipe management web application for a term project
- Leveraged Azure SQL database to store user's recipe information and their virtual pantry with an account-based system
- Followed MVC to program virtual pantry feature that gave users access to all their food items online

FaceIT, <https://devpost.com/software/faceit-j49gms>, CuseHack (Syracuse University Hackathon) February 2021

- Winner of "Best use of Google Cloud by Google Cloud Platform and MLH"
- Constructed an application to store mood-based data by utilizing Google Cloud Vision API facial recognition software
- Worked with Google Firestone so users can retrieve their overall mood from any recorded workday
- Leveraged GUI libraries and Matplotlib to present mood data in terms of anger, surprise, and joy

Jukbox, <https://github.com/Spotify-API-team/spotify-app> May – August 2020

- Co-built a web application using Spotify API that creates a multi-device collaborative queuing room (party mode)
- Constructed RESTful controllers with Spring Boot Java to send user information to and from the backend
- Programmed an object-oriented Java backend to handle Jukbox room functions and MondoDB integration

LEADERSHIP

Director of Technology – Kappa Theta Pi (Syracuse Professional Technology Fraternity) Spring 2021

- Elected to lead the technology committee and collaborate with entire E-board throughout the semester

Engineering Peer Leaders August 2019 – May 2020

- Selected to advise a group of incoming freshmen, assisting them throughout the fall semester as they adjust to college