Malkiel Asher

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EDUCATION

Syracuse University College of Engineering and Computer Science, Syracuse NY
Computer Engineering B.S. and ECS Management Minor   *May 2021*
GPA: 3.2

SKILLS (high to low proficiency)

Technologies: Python, Java, C, C#, C++, Selenium Webdriver, HTML, CSS, Script, Swift, JavaScript, JUnit, VHDL
Hardware: Microcontrollers, FPGA development board, 3D printing, Raspberry Pi
Software: Eclipse, Arduino, Git, Visual Studio, Atom, Android Studio, Microsoft Office, XCode, MPLAB, Quartus, Waveforms

WORK EXPERIENCE

M&T Bank – Software Engineering Intern – modified programming due to COVID-19   *Summer 2020*
- 2nd place winner for best participation in weekly coding challenges
- Developed GroceryShare – a shopping trip scheduler for the elderly struggling during COVID-19 pandemic

Textwise - Software Quality Assurance Intern   *Summer 2019*
- Implemented agile management ideals by facilitating exercises such as sprint planning and team-leading standups
- Developed and implemented test plans and test cases for manual and automated tests using *Java*, *JUnit* and *Selenium Web Driver* dramatically reducing manual testing times
- Documented test plans and cases using *Target Process*
- Engaged in all aspects of testing including unit, functional, regression, security, and performance testing
- Utilized *Git* to manage and keep track of program updates

Syracuse University, Information Technology Services
Lead Consultant   *May 2019 – present*
- Supervise a team of consultants while providing critical feedback to the team to help improve client interactions
- Give objective advice and assistance to clients to resolve software and hardware issues
- Responsible for the timely processing, escalation, and resolution of incoming service requests

Student Technology Consultant   *October 2017 – May 2019*
- Diagnose system and application software issues involving Windows, MacOS, Ubuntu, Android, and iOS platforms with a team of 3-4 consultants
- Administer services such as reinstalling the OS, data backup and recovery, malware removal, and software installation based on results of troubleshooting steps
- Document and track daily interactions with clients using Jira's ticketing tool

TECHNICAL APPLICATIONS (these are the highlights, find many more on my website!)

GroceryShare – M&T Bank's App Dev Challenge, 3rd Place Winner   *Summer 2020*
- Designed, developed, and pitched an Android app with 3 other teammates
- Built UI and UX of the app learning new skills along the way
- Integrated Google's *Firebase* API as the *NoSQL* database, authentication, and storage system
- Implemented OpenStreetMap's API to verify user's address at account registration

CuseHacks – Hackathon, Best Hardware Hack and 3rd Place Winner   *April 2019*
- Built and prototyped a car using an IR remote control with an integrated ultrasonic sensor and buzzer to deter the car from obstacles and notify the user
- Mapped controls so the car can comprehend directions

UB Hacking – Hackathon, Facebook's challenge winner   *November 2018*
- Brainstormed and coded in a team collaborative effort, a web app called AUXY which brings people together through collaborative playlists
- Utilized *HTML* to create a UI that is both easy to use and functional through all the stages of the website

Invent@SU - Syracuse University   *Summer 2018*
- Designed, prototyped, and pitched a medical headset called Emergi-can with a partner to help in emergency situations with opioid-overdose victims
- Redesigned the way *Narcan* is delivered to an opioid-overdose victim, therefore, creating a solution for millions of victims
- Assembled a working prototype of the invention
- Conceptualized and investigated different issues with a partner to reach a mutual understanding in different areas of the invention

CLUBS/ORGANIZATIONS

IEEE
President   *May 2019 – present*
- Attend monthly section meetings while planning and organizing engineering related events for SU students
- Co-hosted multiple coding workshops introducing and guiding newcomers into the programming world
Webmaster   *September 2018 – May 2019*

Engineering Excelerators   Member   *February 2018 – present*
Syracuse CRU   Drummer   *September 2017 – present*