

# Tyrone Tong

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## TECHNICAL SKILLS

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**Certifications:** Software Engineering Virtual Experience @ JPMC

**Languages:** Java, JavaScript, Python, C/C++, Ruby, Ruby on Rails

**Frameworks:** React, Node.js, Flask, Jira, FastAPI

**Developer Tools:** Git, Docker, AWS, Google Cloud Platform, VS Code, PyCharm, IntelliJ, Eclipse

**Testing:** Selenium, Zabbix, Robot

**Databases:** MySQL, MongoDB, Microsoft SQL Server

## EXPERIENCE

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### NOC Engineer Intern

Sep. 2020 – Jan. 2022

*Newegg Inc*

*Rowland Height, CA*

- Oversee (IT/MIS) systems, including Newegg's 100+ websites, internal applications, infrastructure, and 11 data centers, ensuring optimal performance and availability
- Develop automated JavaScript and Python testing scripts for Newegg's sites using Selenium and Robot libraries, streamlining the testing process and improving the reliability of the sites
- Assisted in the development of Newegg's Build-A-PC application, collaborating on the back-end to deliver a highly efficient and user-friendly platform
- Verify issues, pinpoint the causes, and respond using the appropriate SOP, analyzing the issue to identify improvements the monitoring system and methods

### Help Desk Consultant

Feb. 2020 – Sep. 2020

*University of California Irvine*

*Irvine, CA*

- Collaborate with a team of 15 to provide technical support to UCI, using phone, computer, and in-person interactions to resolve issues and ensure the smooth operation of the organization.
- Interact with over 30 clients daily, troubleshooting and resolving technical issues to ensure that UCI runs smoothly and efficiently
- Manage conflicting individuals by deescalating the issue and maintaining a professional work environment

## PROJECTS

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### Roommate App | *Python, Twilio API, MySQL, HTML/CSS, Github Pages*

Sep. 2022 – Present

- Roommate App is an web app that enables users to communicate more efficiently with their roommates about events, shopping, and other important matters
- The web application is hosted on GitHub Pages using Flask as it Back-end framework and Twilio to send users verification codes to have a secure login
- The app data is stored with MySQL using Python SQL connector to relay data from the back-end to the front-end

### Fabflix | *Java, JS, HTML, MySQL, Tomcat, AWS EC2, GCP Computing Engine, A Studio*

Jan. 2022 – June 2022

- Fabflix is designed to replicate video rating sites such as IMDB and Rotten Tomatoes
- This web app uses the Tomcat Framework and Java as its back-end, utilizing Web Servlets and MySQL to communicate and populate the HTML and JavaScript front-end
- This program also uses AWS and GC's VMs to host the app and communicate with the Client
- This program was also compacted with Android Studio into a phone app using HTML and an Android App

### MediText | *Python, Twilio API, Flask, HTML/CSS*

Feb. 2020

- MediText utilizes Twilio's API to automate sending reminders through SMS to patients to take their medications
- The frontend is made using HTML/CSS/JS, it is extremely user friendly, allowing patients and doctors to easily setup new prescriptions and reminders
- The code is built using Python, utilizing Flask, different coding libraries and classes to implement the backend

## EDUCATION

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### University of California Irvine

Irvine, CA

*Bachelor of Science in Computer Science*

*Sep. 2018 – June 2022*