

# TED PARK

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## Education

### University of California - San Diego

Sep 2019 – Present

*Bachelor of Science in Computer Science (Expected June 2024)*

*San Diego, CA*

- Cumulative GPA: 3.92 / 4.0
- Provost's Honor for 4 out of 5 quarters

## Relevant Coursework

- Data Structures
- Software Engineering
- Machine Learning
- Algorithms Analysis
- Parallel Computing
- Theory of Computation
- Discrete Mathematics
- Computer Organization

## Experience

### Republic of Korea Army

May 2021 – Nov 2022

*Staff Sergeant, Squad Leader*

*South Korea*

- Managed 5 different server/databases used for maintaining all landline phone calls and preserving military information.
- Configured IP addresses on switches and routers within the division for a more organized network.
- Led a squad of 6 signal soldiers to install and manage a stable wartime electronic telecommunication system.

### Virginia Tech

Sep 2019 – Jan 2020

*Research Assistant*

*Remote*

- Analyzed log data files after data cleaning and visualized the performances with Matplotlib of an SSD algorithm.
- Automated parsing of the necessary data from the log files and created new analyzable files.
- Translated the final paper "Overcoming Bathtub Failure Curve for Dependable Flash Storage Through Exploiting RAID Protection" from Korean to English.

## Projects

### Social Compass | *Java, Google Maps, Android Studio*

Jan 2023 - Mar 2023

- Collaborated in a team of 6 to develop an application which shows realtime locations of added friends.
- Worked on full stack development, building front-end using XML and back-end using a web server.
- Wrote automated integration tests using Junit and Robolectric to ensure the quality of the application.

### Multiple QR Code Reader | *Python, Zbar, VSCode*

July 2022 - December 2022

- Developed an algorithm using Python to automate the process of reading multiple QR codes in a single picture.
- Implemented Zbar library to read individual QR codes after recognizing each one from the photo.
- Reading of multiple QR Code allowed further automation in parcel services, allowing up to 28% faster processing speed.

### Web Scraping Analysis | *Python, Keras, Jupyter Notebook*

Mar 2021 – May 2021

- Used BeautifulSoup package to create data files from an online review website.
- Utilized Keras to build a sequential model with embedding, LSTM, and dense layer for analyzing the reviews.
- Constructed a sentiment analysis of reviews of 5 major airlines for comparisons of individual words in the review.

## Technical Skills

**Languages:** Python, Java, C/C++, C#, JavaScript, CUDA, HTML/CSS, SQL, R

**Technologies/Frameworks:** GitHub, Android Studio, Matlab, RStudio, LaTeX, MySQL