






# Paul Choi

## Software Engineer

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## ABOUT ME

Dedicated, motivated, and outgoing computer science student, seeking Full time position as software engineer

## Skills

Proficient:

Java, C, C++, C#  
SQL, Firebase

Intermediate:

HTML, SCSS, Angular 4  
TypeScript, Swift

Exposure to:

Nodejs, Express  
MongoDB, PHP

## Programming Tools

Git, Eclipse, Vim

Android Studio, Xcode

Visual Studio/Code

## Education

### Computer Science and Mathematics

2015 - 2018

University of California - San Diego

Graduating in March 2018

Relevant Courses: Object-Oriented Design; Advanced Data Structure; Algorithm; Assembly; Database; Discrete Math

### Associate Degree in Arts and Science

2013 - 2015

Irvine Valley College - Irvine

- Dean's Honors List
- Service Coordinator of Honors Program
- Student Ambassador Program

## WORK EXPERIENCE

### Hologic

June 2017 - Present

Software Engineer Intern

- Implementing Full stack Web application that allows transfer of log files from Panther machine to remote database through TCP layer with encryption and decryption
- Project done in .Net Framework using HTML, SCSS, Bootstrap, Angular 4, Typescript, Entity Framework, MSSQL, and C# as server side language

### Department of Computer Science (UCSD)

September 2016 - June 2017

Tutor / Teaching Assistant

- Taught advanced data structure, Object-oriented design, and source control (Java and C++), design exams, and led discussions
- In charge of Machine Learning based plagiarism detection using MOSS

### SBM Korea

June 2015 - August 2015

Quality Engineer Intern

- Implemented automated testing for cash recognition component of SB-2000 machine
- Collaborated with product management to design, build, and test systems
- Debugged and modified software components (Java, Eclipse)

## PROJECTS

### Ark Coffee

[github.com/wjddn1994/arkcoffee](https://github.com/wjddn1994/arkcoffee) (Private)

- Personal ios project with Ark Coffee shop to create their own subscription model (23% increase in sale)
- Integrated automated payment process and came up with customer loyalty program
- Used Firebase as backend for authentication, storage, and database

### Triton Transit

[github.com/wjddn1994/MTS-UCSD-Shuttle](https://github.com/wjddn1994/MTS-UCSD-Shuttle)

- Group android project that provides users with bus arrival time for every bus stops that UCSD students take
- Application uses Google Map, MTS, and UCSD APIs to display nearest stops from current location
- In charge of search tab which queries data pulled from APIs