

# Jonathan Chai

New Grad Software Engineer

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## EDUCATION

**University of Southern California**, Viterbi School of Engineering  
*Bachelor of Science in Computer Science*

January 2018–December 2019

## WORK EXPERIENCE

### Tailored Brands

July 2019 – August 2019

Software Engineering Intern *Spring Boot, Java, React, MongoDB, MySQL, H2 Database, Gradle, Swagger*

- Developed a Microservice used to auto-populate initial adjustments for custom suits to utilize off-the-rack garments instead of custom try-ons
  - Integrated in a new digital service to help employees better perform custom measurements
- Created a database with a CRUD UI portal to house all garment data across several different brands
- Migrated an existing tuxedo rentals service that was part of a monolithic application to a Microservice

## SKILLS

- Languages: C++, Java, JavaScript(ES6), HTML5/CSS, Bash, C#
- Frameworks/Libraries: Spring Boot, Bootstrap, React.js, Next.js, Node.js, jQuery, Material UI
- DevOps: Docker, Nginx, Git, Linux
- Databases: MySQL, MongoDB, H2 Database
- Other: LaTeX, Postman, Figma, Unity, Swagger, WordPress

## PROJECTS

### CS@SC Summer Camps

September 2019 – December 2019

Senior Capstone Project (summercamp.usc.edu)

*WordPress, Java, JavaScript, MySQL, Maven, Docker*

- Modernized the client's website and code base from 2016 with two others
  - Fixed security flaws and issues such as outdated hashing algorithms, cross-platform/browser inconsistencies, and outdated packages (which were further modified to utilize Maven)
  - Updated admin features such as attendance, emails, and statistics to better fit the client's needs
- Shifted the entire website from the client's personal server to a Virtual Machine hosted by the school
  - As the VM is located behind a firewall, traditional WP migration systems were ineffective

### Twitch Stonks

October 2019 – October 2019

TwitchCon Hackathon 2019

*React, Java, JavaScript, HTML5/CSS, MySQL, Spring, Python*

- Created a Twitch extension with two others to allow viewers to play stocks on a streamer's channel
- Each stock represents an emote and their value are determined by their frequency within the chat
- Wrote the backend which processed the chat data from the scrapper and passed it to the live frontend

### Streamer Trivia

October 2018 – October 2018

TwitchCon Hackathon 2018

*React, Node, Twitch API*

- Won the SirSlaw challenge which promoted broadcaster and viewer interaction with two others
- Wrote the backend logic as well as the broadcaster UI for a Family Feud style Twitch extension

## ACTIVITIES

**USC Varsity Esports**, Player / Assistant Team Manager

September 2018 – December 2019

- Participated in the creation of the first official Varsity Esports team as both a player and management
- Managed player and management communications and relations, particularly on the players' side
- Cooperated with USC and sponsors to form activities at events such as USC's Conquest and Game Expo

## INTERESTS

- Light Novels, Drawing, League of Legends, Valorant, TeamFight Tactics, Cooking