Josh Chao

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EDUCATION

University of California, San Diego
- B.S. Computer Science
- Class of 2019 (Rising Junior)
- **Jacobs Scholar** (Engineering full-ride recipient)
- 3.9 major GPA

PROJECTS

In Brief
- **Winner of Best Use of Visual Media**, sponsored by Disney Inc.
- **Data visualization** tool that displayed related concepts, recent events, metrics, and even tweets about topics users are interested in learning more about.
- Built using **Flask** and **d3.js**.

Project Kiwi
- **Communications platform** that provided ephemeral, anonymous, real-time crowdsourced opinions to user questions
- Built using **socket.io** and **node.js**

SKILLS

Front-end Web Development
- **Languages:** Javascript, HTML/CSS
- **Frameworks/libraries:** React, jQuery, Redux

Front-end Mobile Development
- **Languages:** Swift, Java

Big Data Infrastructure
- **Frameworks:** Apache Spark / Spark Streaming, Hadoop (HDFS and YARN)

Miscellaneous
- C/C++

EXPERIENCE

Apple Inc. (SU17)
- **Strategic Data Solutions** (SDS) team
- Currently working on super cool stuff!

Apple Inc. (SU16)
- Co-spearheaded a **fraud detection** project that combined **image processing**, **big data**, and **machine learning**.
- Key technologies utilized include **Hadoop/YARN**, **Apache Spark**, and **libSVM**.

Security Research (SP17)
- Conducting research underneath **Deian Stefan** and **Hovav Shacham**
- Security project that delegates **non-browser TLS connections** to browser
- Helped publish paper **Saber: Delegating Web Security to Browsers**

UCSD CSE Tutor
- FA17: **CSE 12** (Intro to Data Structures) and **CSE 15L** (Software Tools)
- WI17: **CSE 15L** (Software Tools) and **CSE 110** (Software Engineering)
- SP17: **CSE 12** and **CSE 15L**
- Tutoring underneath **Gary Gillespie**.

SD Hacks Organizer
- **36 hour event** with over **1,000 participants**.
- Core **sponsor outreach** member of SD Hacks 2016, which brought in around **$250,000**.