

## Johnson Tong

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### Objective

Obtain a software engineering internship to use my quick learning and analytical skills to contribute in a unique environment, while also expanding my technical skills.

### Education- California State University, Fullerton, Aug. 2019 – May 2023

- BS Computer Science, GPA: 3.93, Dean's List
- Object Oriented programming (C++), Intro to MATLAB (Digital Computation), Data Structures and Algorithms, Comp. Org. & Assembly Language, Intro to Java, Linear Algebra and Differential Equations, Statistics, Calculus (1-3)

### Languages and Technologies:

- C++, Python, HTML, CSS, JavaScript, React, MATLAB, Mongoose, Node, Git, Linux, Java, SolidWorks, AutoCAD

### Projects:

- **Grades App**
  - MERN full stack web app deployed to Heroku.
  - implemented a REST API to create an interactive interface that dynamically calculates and updates grades, complete with a login system.  
<https://grades-calculator-jt28.herokuapp.com/>
- **Sorting Visualizer**
  - Created the UI and implemented common sorting algorithms into smooth visual animations using React.
  - Detailed explanations for each algorithm, along with pseudocode.  
<https://longtongj28.github.io/sorting-visualizer/>
- **Battleship**
  - fun command line/terminal battleship game complete with multiple game modes and difficulties, created using MATLAB.  
<https://github.com/longtongj28/matlab-battleship>
- **Mech. Engineering Models/Drawings Portfolio**
  - display proficiency in AutoCAD and SolidWorks. Stapler assembly project with engineering drawings. AutoCAD with first and third angle projections.  
<https://www.dropbox.com/sh/5cvt2hw9t6lzc0j/AADrDaDVNy7DeJucVB24jbkZ>

### Activities

#### **SI Leader|CSUF| 08/2020 - Present**

- Lead, prepared, and facilitated supplemental instruction sessions for groups of 4-6 students for Calculus.
- Utilized methods such as question redirection and wait time to hone understanding and intuition of material, especially important in an online environment.
- Supplemental Instructor for Intro to Computer Programming.

#### **ACM Co-Workshop Manager|CSUF| 01/2021 - Present**

- Responsibilities: planning and leading workshops for ACM members of all skill levels, prioritizing building of project, technical, and networking skills.

**Other Skills:** Mandarin, leadership, communication, quick learner, time management, attention to detail, problem solving