

Jonathan Dang

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Experience

Computer Science Tutor

Pasadena, CA

Pasadena City College

August 2021 – June 2022

- Assisted students with understanding concepts covered in their classes by reviewing common paradigms that appear within the lesson.
- Composed specialized tests composed of all topics taught in the computer science courses to measure the progress of students' understanding.
- Arranged additional sessions to students that still required additional assistance.

Education

California State University – Los Angeles

August 2022 – Present

Bachelor of Science, Computer Science

Pasadena City College – Computer Science

Graduated May 2022

Associate in Arts, Business and Technology

Associate in Arts, Natural Sciences

Skills

- **[Programming Languages]:** C++, Python, JAVA, MySQL, MongoDB, MASMx86
- **[Microsoft Office]:** Word, Excel
- **[Google Suite]:** Docs, Sheets, Forms

Leadership Experience

Association of Computer Machinery - ACM

Project Officer

December 2022 – Present

- Led a group of 4 ACM leaders in developing portfolio websites using HTML, CSS, and JavaScript.
- Managed 6 Bi-Weekly workshops that worked towards the development of portfolio websites.

Project Committee

September 2022 – December 2022

- Led a group of thirty students in developing the ACM Beginner's Workshop Project.
- Advised student peers regarding their coursework and CS related topics.
- Clarified Computer Science concepts and techniques for students who are struggling.
- Organized bi-weekly sessions that taught Computer Science concepts used in the ACM Project.

Projects

Graphing Calculator

C++

- Developed a Windows Based App using SFML that emulates a graphing calculator.
- Maps and plots a user-entered function with the complexity of quadratic and below to the screen.
- Uses self-made Shunting Yard, RPN, Stacks, Queues, and Vectors within the backend of the app.

SQL

C++

- Recreation of the MySQL language.
- Applies OOP concepts to replicate basic MySQL keywords and syntax.

Amazon, Alibaba, AliExpress Web Scraper

PYTHON

- Obtains data on items typically seen to be drop shipped.
- Searches for the Name, Price, Rating, Item Link, of a given item using selenium web drivers.