

Joseph Shafer

<https://github.com/JosephShafer>

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EDUCATION

California State University Bakersfield

Bachelor of Science in Computer Science; Current GPA: 3.60

Bakersfield, CA

Expected Graduation: May 2021

Bakersfield College

Associates of Science in Computer Science

Bakersfield, CA

December 2018

EXPERIENCE

Tutor

Mathematics and Computer Science

Bakersfield College

January 2018 - July 2019

- **Computer Science:** Tutored students in introductory programming classes covering basics of Java, Python, and C++/C; Data Structures and Algorithms; and Computer Architecture.
- **Mathematics:** Tutored math classes ranging from basic Arithmetic to Calculus.

PROJECTS

Scheduling Software Database Project

Full Stack software to simplifying scheduling staff for a small business.

- **Languages:** Javascript, PostgreSQL
- **Technologies Used:** Postgres, Express.js

Shiba Survival

Four directional shooting game group project for Software Engineering class

- **Language Used:** C++
- **Technologies Used:** OpenGL
- **My Contribution:** Physics System, Combat System, UI, and Gameplay Design.

Quiz Game

Distributed and Parallel Computation Group Project. Created a Quiz Game similar to Kahoot targeted toward online classes.

- **Language Used:** Javascript
- **Technologies Used:** MongoDB, Express.js, Socket.io
- **My Contribution:** Quiz interface and time based scoring system

Calculator Projects

Built three scientific calculators for Programming Languages group project.

- **Language Used:** Javascript, Perl, Python
- **Technologies Used:** tk-perl, tkinter
- **My Contribution:** Created the entire Perl Calculator, and collaborated with another student to build calculator in Javascript. Assisted my partner with debugging the Python calculator.

PROGRAMMING SKILLS

Languages: Javascript, C++/C, Python, Perl, PostgreSQL

Technologies: Express.js, MongoDB, Postgres