

Owen Zook

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Project Based Experience

2048 Online: Local hosted website for 2048 game School Project

- Created basic game engine through javascript back end.
- Used knowledge in Jquery to communicate commands between engine and html front end.

APT: Advanced Personalized Twitter: <https://426twitter20.com/>

- Self made twitter-like website designed to provide quality of life improvements of regular twitter experience. Served as the group's project Manager; coordinating work and providing oversight on schedules for team activities with personal priority on front end development.
- Critical problem solver and feature implementer:
 - Solving twitter UI clutter with multiple columns for main feed, profiles, etc.
 - Editing of posts(tweet, retweet, reply) in real time with all instant updates.

Experience from in class work and minor projects

- Proficient: Java.
- Experienced: C/C++, Python, SQL, HTML 5, MIPS (foundational experience).
- Problem solving; e.g application of javascript for custom function development in Google Sheets.
- Proven aptitude to acquire new languages.

Education

Double Major Graduation: May 2022

Computer Science, BS

Broad programming and class experiences

- Algorithms & Analysis: Techniques of algorithm analysis through foundational problem-solving paradigms.
- Files and Databases: Database major models and structures in practice for optimal data storage and organization.
- Computer Security: Introductory applications of securing the creation, storage, and transmission of data and modern security techniques.

Physics, BA

Focus on application of modern physics on mechanics and experimental techniques; conducting experiments from conception through data analysis and reporting of findings.

Leadership & Activities

Atkins Academic & Technology High School - Technology Student Association / Sergeant at arms, 2017-2018; Member 2013 - 2018

Coordinate, plan, and organize group activities and meetings. Act as student advisor and instructor for newer members.

Guilford County School System / Contract Work

Summer 2021

Created custom scripts using Google Sheets for reorganization of students class schedule and personal data for the coming 2021-2022 school year.

Work History

J. Peppers / Food Service

June 2017 - August 2018, Kernersville, NC

Manage and assist in general restaurant operations with a focus on team and customer satisfaction