

Owen Troy Zook

Computer Scientist

Owen Troy Zook
(336) 521-0658
owenzook@live.unc.edu
owen.t.zook@gmail.com
[Personal webpage](#)

Skills

Highly analytical and creative problem solver with broad programming experience.

- Java (proficient)
- C
- mySQL
- Javascript, Jquery
- Python
- Typescript
- HTML 5
- Foundational experience in MIPS
- 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 (expected)

Computer Science, BS

Broad programming experiences with particular interest and strength in

- Data Structures: optimization through algorithms sorting to minimize and identify run time
- Computer Organization: memory / program optimization through foundations of computer memory and storage
- Discrete Structures: mathematical proof and logic in association with algorithm creation

Physics, BA

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

Experience

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

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.

University of North Carolina - Chapel Hill - Marching Band /

Clarinet

2018-2020

Responsible for independent learning of music & routines to execute flawlessly with the team

Relevant Projects

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
- Project Manager, coordinated work and provided oversight on team activities.
- Personally led front end development, UI, and front end javascript functions.
- Critical problem solver and feature implementer:
 - Solving twitter UI clutter with multiple columns for main feed, profiles, etc
 - Embedded youtube videos in posts
 - Editing of posts(tweet, retweet, reply) after publishing.