Jake Burger

• (818) - 657 - 9832 • jake.d.burger@gmail.com • j4ke.dev
• linkedin.com/in/jake-d-burger/ • github.com/jaykeburger

Education

University of Houston - Houston, TX   Dec 2024

Bachelor of Science in Computer Science, Minor in Mathematics

- Honors**:** Dean's List (GPA: 3.50), Academic Scholarship
- Coursework in: Data Structures, Computer Networks, Data Science, Computer Architecture
- Activities: President of Code Coogs, Code Red Hackathon Participant, Member of CougarCS

Experience

Software Engineer Intern | Boeing | Houston, TX   May 2022 - Present

LZ Technology contractor for Boeing's Int'l Space Station Software Development and Integration Laboratory.

- Implemented customer facing Asset Management software for NASA using ASP.NET and Blazor.
- Updated UI for internal tools administrative pages in a complete overhaul of software running Java 6.
- Improved code readability by developing solutions with SOLID principles and Clean Architecture.
- Deployed back-end SQL Server functionality to forms using Entity framework and seeding with JSON.

President | Code Coogs | Houston, TX   May 2022 - Present

Overseer and CEO of a computer science student organization with 110 active members.

- Fostered an inclusive community through collaborated events, socials, and professional development events.
- Managed internal affairs, including officer team operations, project team leads, and coding competitions.
- Conducted code reviews for club sponsored team projects and developed curriculum for technical workshops.
- Established the Code Coogs scholarship fund and raised over $3,500 in corporate sponsorships.

Programming and Robotics Instructor | iCode School | Sugar Land, TX   November 2021 - May 2022

Educator of a variety of different fundamental topics in robotics and computer science.

- Achieved 96% class retention rate by inspiring students to use programming to solve real world problems.
- Taught students how to build and program circuits using breadboards, Raspberry Pi GPIO pins, and Python.
- Mentored students on how to construct their own personal websites using HTML and CSS.
- Instructed miscellaneous courses on game development, MySQL, animation, and computer hardware.

Projects

Uni Meet App | *Java, Kotlin, Android Studio, Firebase*

- Team lead for a social media mobile application that connects students by enrolled major, classes, and clubs.
- Handled user authentication and user data management with cloud based storage on Google Firebase.
- Designed front end with Android Studio's XML editor and PhotoShop CS6.

j4ke.dev | *React, Firebase*

- Developed a personal portfolio and blog website equipped with multiple CSS and SCSS libraries.
- Deployed website to Firebase hosting and configured (Domain Name System) DNS and web settings.

Skills

Languages: *Proficient*: Java, C#, HTML, CSS, *Familiar*: JavaScript, Python, C++
Technologies: ASP.NET, React, Blazor, Android Studio, SQL Server, Git, Linux, PhotoShop, Excel, Firebase