Jake Burger

(818) 657- 9832 | jake.d.burger@gmail.com | Github: @jaykeburger | j4ke.dev | linkedin.com/in/jake-d-burger/

Education

University of Houston - Houston, TX   Dec 2024
Bachelors of Science in Computer Science
 • Honors: Dean's List (GPA: 3.78), Academic Excellence Scholarship.
 • Activities: Code Red Hackathon, President of Code Coogs, Member of CougarCS.
 • Coursework in: Data Structures, Computer Architecture, Linear Algebra

Experience

Software Developer Intern | Boeing   May 2022 - Present
LZ Technology Contractor for Boeing's Int'l Space Station Software Development and Integration Laboratory
 • Designed CRUD software for NASA's Software Verification Facility to track lab/shipping reports.
 • Reduced page load times by 2-3 seconds by automating form generation with Blazor server side apps.
 • Improved code readability by implementing solutions with SOLID principles and MVC Architecture.
 • Deployed back-end SQL Server functionality to forms with Entity framework.

Programming and Robotics Instructor | iCode   Nov 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.
 • Mentored students on how to construct personal websites using HTML and CSS.
 • Taught students how to build and program circuits using breadboards, Raspberry Pi GPIO pins, and Python
 • Instructed miscellaneous courses on game development, MySQL, animation, and computer hardware.

Leadership

President | Code Coogs; University of Houston   May 2022 - Present
Chief Executive Officer of UH's 2nd largest Computer Science student organization
 • Internal Affairs: Developed Agile sprints, team project deadlines, coding competitions, and workshops.
 • External Affairs: Raised $3,000 in corporate sponsorships, founded Code Coogs scholarships fund.
 • Conducted code reviews for club sponsored team projects and developed curriculum for technical workshops.
 • Collaborated with other STEM student orgs to plan hackathons, socials, workshops, and other events.

Projects

jake-burger.com| Individual Developer   Jan 2022 - Mar 2022
 • Configured DNS and web settings using cpanel administrator controls to upload HTML and CSS files.
 • Developed a stylish user interface, such as hover transitions over buttons and clickable images links.

Chess Game| Individual Developer   Sept 2021 - Oct 2021
 • Used the Java Abstract Windows Toolkit library to create a GridLayout that held all the piece components.
 • Learned more about implementing object oriented design using Java.

Skills

Languages: *Proficient:* Java, C#. *Familiar:* C++, HTML, CSS, Python, JavaScript
Technologies: SQL Server, Android Studio, Linux, Raspberry Pi, Git, ASP.NET, Blazor, Entity, Photoshop, Excel