

RYAN GEHAN

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EDUCATION

Loyola University Maryland

Bachelor of Science - Computer Science, Minor in Data Science

Baltimore, MD

Expected May 2024

Relevant Courses: Computer Engineering, Object Oriented Software Design, Cryptocurrency and Blockchain, Computer Systems, Discovering Info in Data, Algorithm Analysis, Data Management and Database Systems, Operating Systems, Mobile App Development, Software Engineering, Cybersecurity and Digital Forensics

ACADEMIC PROJECTS

Web-Based 7 Card Stud Game <https://github.com/rjgehan/CS482>

Fall 2023

Skills: Java, HTML, CSS, SQL, Git

- Collaborated in a team of four to develop a web-based 7 Card Stud game, assuming primary responsibility for login, create account, and multiplayer functionality.
- Developed a secure account management system, incorporating user authentication and data storage using a MySQL database.
- Implemented multiplayer logic to enable seamless real-time gameplay for up to 6 players or bots.
- Utilized Java and HTML to create a dynamic and interactive gaming environment, enhancing user engagement.

Web-Based Casino with Crypto Integration <https://github.com/ryangehan/CS489-Casino>

Spring 2022

Skills: Javascript, Solidity, CSS, HTML, React.js, Node.js, Git

- Developed a React.js web application that emulated a casino environment, allowing users to play casino games with test Ethereum
- Established a connection between a Solidity smart contract and users' MetaMask wallets through our webpage enabling them to deposit or withdraw test cryptocurrency
- Designed and developed an engaging user interface, enhancing the overall user experience and simulating a real-life casino environment.
- Created functionality for various casino games including Blackjack, Roulette, Slotts, and a Lucky Wheel

SKILLS

Programing Languages: Python, Javascript, Java, C, Swift, Solidity, SQL, HTML, Assembly

Proficient Software Libraries: React.js, Node.js, Git, Angular, Pandas, Matplotlib, NumPy, SciPy, Regex, BeautifulSoup, Seaborn

Other: Agile, Microsoft Excel, Microsoft Visio, Tableau, SAS Data Enterprise Miner, Logisim, Oracle Apex, Adobe Photoshop

WORK EXPERIENCE

Rockport Solutions LLC

Richboro, PA

Product Development Intern

July 2023 - August 2023

- Developed custom tools to generate JSON documents, consolidating data from various systems for efficient access and analysis.
- Assisted in the testing of their system upgrade, ensuring its stability and functionality.

EXTRACURRICULARS

Institute of Electrical and Electronics Engineers (IEEE)

September 2022 - present

Participated in weekly group meetings focused on programming and electrical activities, such as utilizing Arduinos to complete tasks such as configuring an LED screen.

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4-Bit CPU with Logisim and Assembly

Spring 2022

Skills: Assembly, VHDL, Logisim

- Designed and developed a Data Unit by integrating an ALU and control unit using logic circuits and boolean algebra
- Developed Assembly functions using ROMs to store 4-bit values in the registers of the Data Unit