

# 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 using Java, HTML and CSS, assuming primary responsibility for login, account creation, 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.

### 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 using Node.js emulating 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 using HTML and CSS and created functionality for various casino games using Javascript including Blackjack, Roulette, Slots, and a Lucky Wheel.

## SKILLS

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

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

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

**Methods:** Agile, Scrum, XP, Waterfall

## WORK EXPERIENCE

### Rockport Solutions LLC

Richboro, PA

#### Product Development Intern

July 2023 - August 2023

- Developed custom tools to generate JSON documentation, consolidating data from various systems for efficient access and analysis.
- Utilized Angular to construct a web-based data storage platform and implemented a custom API using Node.js for effective data management and retrieval.
- Assisted in testing system upgrades, ensuring its stability and functionality from both an admin and an end user standpoint to meet client needs.

## EXTRACURRICULARS

### Institute of Electrical and Electronics Engineers (IEEE)

September 2022 - present

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