# CJ Bangert

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## EDUCATION:

***University of Maryland | College Park, MD***                                     ***Graduated: May 2020***

B.S in Computer Science and a Minor in Technology Entrepreneurship

- Hinman CEOs Program: 2-year Living-Learning program intended to develop business leadership skills, particularly dealing with startups
- Public Leadership Scholars Citation: 2-year program aimed at developing leadership/project management skills, along with Public Policy coursework. Culminated in a capstone where I led a small oyster restoration project

## PROFESSIONAL EXPERIENCE:

***Itos Finance***                                                                  ***Nov 2022-Oct 2023***

Full Stack Software Engineer

- Designed and built resolver smart contract (Solidity) to interpret instructions, route trades and transfers for efficient liquidations
- Designed and built liquidator application (Python) and smart contract
- Various peripheries and integrations (Python, Solidity, Typescript React, Jupyter Notebook)
- Contributed to discussions involving product roadmap, fundraising, marketing, and business development

***Gnosis Builders***                                                              ***June 2022-Sept 2022***

3 month Fellowship

- Created new Dune Analytics dashboards to better visualize on-chain activity and trends for Gnosis Chain
- Updated and enhanced Gnosis documentation for new documentation site. Primary focus was around documenting how the bridge applications operate and their design limitations after the engineering team left
- Helped to solve a bridge production issue with the knowledge gained from writing docs

***Tsunami Finance***                                                                           ***May 2022***

Full-Stack Web3 Software Engineer (Front-end focused)

- Created a decentralized exchange where users could trade the Luna/UST pair on the Terra blockchain using an automated market maker (AMM)
- Integrated front-end trading view and functionality (Javascript, React) with smart contracts (Rust)
- Identified bugs in smart contract and implemented fixes

***M&T Bank | Remote/Wilmington, DE***                                              ***Aug 2020 -May 2022***

TDP Software Engineer

- Collaborated with product owner to architect and implement a Risk Scoring application (Python, Flask, SQL Server, TSQL, C#, Javascript and .NET) to calculate numerical risk scores to outgoing wire transactions
- Led CI/CD initiative for AGILE team
- Provided production support for multibillion dollar Wire/Check/ACH transfers
- Managed administrative responsibilities for rotational program dealing with campus recruiting
- Integrated and warehoused financial data from various data firms in new Collective Investment Trust application in a fault tolerant manner (.Net Core 5, SQL Server, RedHat Openshift, Steeltoe Hystrix)
- Manage relationships with domestic and international vendors for integration support
- Collaborate with business stakeholders and AGILE team to architect and build the new Collective Investment Trust management platform (.Net Core 6, SQL Server, Angular TypeScript)

***GP Strategies/John Deere | Columbia, Maryland***                                        ***Summer 2019***

Contract Software Engineer

- Charged with developing and maintaining the Integration Test suite (Java with Spring libraries, Apache Maven, Gherkin) for the John Deere Custom Performance (JDCP) platform, spanning over 80 REST Microservices
- Identified and fixed issues pertaining to global system integration

***Triangle Experience Group | Arlington, Virginia***                                      ***Summer 2018***

Software Engineering Intern

- Implemented mitigations in the source code (in C) for vulnerabilities exposed by the HP Fortify scan.
- Achieved ahead of schedule and within the first month of my start date.

## Projects/Freelance Work:

***Succinct Labs***                                                                                                    *Oct-Nov 2022*
- Implemented a zero-knowledge proof verifier (Groth16) in a Cosmos module to be used for a blockchain interoperability application (Go, Typescript).

***Uptahr LLC - Paradigm LABS***                                                                            *Sept-Oct 2021*
- Rapidly collected requirements, architected, and built backend services for founder education platform MVP in 3 weeks (Django, GraphQL, PostgreSQL, React, AWS)
- Notable features of the platform include an article recommendation service and the ability to create teams with various user roles

## TECHNICAL SKILLS:

***Programming Languages (descending order of proficiency)***
- C#, Java, Python, Solidity, TypeScript, JavaScript, C, SQL, Solidity, Rust, C++, HTML, CSS

***Frameworks, Tools and Technologies:***
- .NET Core, SQL Server, Founsry (Solidity Framework), Flask, Django, PostgreSQL, React, Angular, Spring, Linux/Unix Operating Systems, IBM DB2, MongoDB, GraphQL, RedHat Openshift, Gherkin, Git, Node.js, Express.js, Ajax, Underscore.js, Android SDK, Gitlab, Jupyter Notebook

***Other Skills***
- Extensive coursework in Machine Learning, Computer Vision, and Bioinformatic Algorithms
- Experience with Web Scraping, Data Tidying, Modeling, and Analysis