

EMPLOYMENT

Information Security Engineer	Citi	June 2022 - Present
<ul style="list-style-type: none">Worked in a scrum team to ensure the safety and security of a global enterprise company through identifying security vulnerabilities in various environments. This includes triaging and routing issues to appropriate teams and promoting secure coding practices to avoid repeat issues. This included utilizing the following tools including: BlackDuck, Struts 2, JEAcrpt utility, and CyberArk Migration combined with knowledge about various security risks including HTTP requests, session cookies, encryption, hashing, etc.		

EDUCATION

San Marcos, CA	California State University, San Marcos	Fall 2020 – Spring 2022
<ul style="list-style-type: none">B.S in Software Engineering, May 2022.Undergraduate Coursework: Databases; Algorithms; Programming Languages; Web Programming; Software Architecture; Software Testing; Cloud Computing; Deep Learning; Artificial Intelligence		Honors: Cum Laude

TECHNICAL EXPERIENCE

Course Projects

- Cougar Academic Advisor** (Express/Node.js/JavaScript/jQuery/CSS/JWT/AWS EC2/MySQL/RDS) Worked for one year on a senior capstone project with two other software engineering students in an agile environment. Due to CSUSM's lack of resources for the electrical engineering program, we created a new web application that provided an efficient roadmap for electrical engineering students. This included satisfying requirements, implementing design patterns and data structures, and creating a scalable architecture.
- Neitherstone Norwood Books** (Flask/PostgreSQL/AJAX/JavaScript/jQuery/CSS/JWT/AWS) Designed and implemented a full-stack, single-page, web application hosted on AWS that allows a user to create an account or login to an existing account, view a list of books, and purchase a book. This application utilized JSON web tokens to validate the user's credentials and a password-hashing function, bcrypt, to securely store their password in the database.
- iCook v2.0** (Java/Java Swing/MySQL) iCook v1.0 with four design patterns added including Builder, Prototype, Decorator, and State. The Builder design pattern allows users with admin permissions to create new recipes and add them to the database without going directly to the database. Prototype allows the user to modify a recipe without altering it and still gives them access to the original recipe. Decorator allows the user to add an image or hyperlink to a recipe. Lastly, the State design pattern organized the code by separating multiple UI's into different states within the View package of the MVC architecture pattern the application uses.

Individual Projects

- iDunno** (Flask/HTML/CSS/React/PostgreSQL/EC2) Designed and implemented a single-page application that allowed a user to select a friend, swipe through a list of restaurant images, and then view the matched restaurant results. This application utilized a Postgres database to store the list of restaurants, Amazon EC2 for hosting, and python flask to setup the server in correlation with React to proxy the frontend requests to the server.
- Notify** (HTML/CSS/React/Firebase) Designed and implemented a web application using React and Google Firebase. The application allows a user to enter a note and view his/her notes being added in real-time. The user's notes are stored using the Google Firebase database, Firestore, and the user is authenticated through his/her Google account with Firebase Authentication.
- Personal Website** (HTML/CSS/Digital Ocean) Designed a personal website that was originally hosted through a Raspberry Pi, but moved to a cloud service due to poor internet.

ADDITIONAL EXPERIENCE AND AWARDS

- Dean's List** (2019-2022)
- Tau Sigma National Honor Society** (2020-2022)

Proficiencies

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| <ul style="list-style-type: none">Languages: Python, Java, C#, C++, SQL, Node.js, JavaScript,HTMLWeb Technologies: HTTP, REST, Flask, AJAX, JWT, jQuery, CSSDatabases: PostgreSQL, MySQLFrameworks: ReactCloud Services: AWS, GCP, Google Firebase, Digital Ocean | <ul style="list-style-type: none">Data Technologies: JSONTools: PowerShellVersion Control: Git, GitHubEnvironments: Ubuntu LinuxSoftware Process Models: Agile (SCRUM), Waterfall |
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