Gabrielle Co

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🎓 EDUCATION

B.S. in Computer Science, University of Houston   Aug 2019 – Dec 2022 │ Houston, TX
Honors College, Minors in Math and Data and Society. | **GPA:** 3.9 - Dean's Distinguished Scholar
Relevant Courses: Data Structures and Algorithms (C++), Design of Databases, Software Development Practices, Functional Programming, Object Oriented Programming, Operating Systems, Computer Networking, Real-time Embedded Systems

💼 PROFESSIONAL EXPERIENCE

Software Engineering Intern, NerdWallet   May 2022 – Aug 2022 │ San Francisco, CA
- Transitioned 23 React.js question screens to Typescript utilized by 10,000+ users who are looking to match with loan partners. This update ensured correct customer data was being passed to and from GraphQL database.
- Solely led project design and implementation of 2 phone number verification screens using Twilio API to deter partners from calling fake numbers. Proposed multiple Figma UI mockups and MVP product outline to teammates and manager.
- Facilitated daily Agile sprints as scrum leader for 10 engineers, product designers, and managers to ensure sprint goals are met.
- Solved challenges such as learning Redux, TypeScript, unit testing, and transitioning Figma mockups to code while on the job.

Software Engineer Intern, Liberty Mutual Insurance   May 2021 – Aug 2021 │ Remote
- Developed a React.js web app dashboard that retrieved and fed 500+ daily telemetry API calls into Chart.js to transform logged data into reactive tables, graphs, and charts used to track when internal services were down or returned errors and successes.
- Extended existing REST API calls to allow for increased data visualization filters resulting in 2x web visits by non-engineers.
- Achieved continuous integration through Git branching and updating stories from the Jira Platform in a SCRUM environment.

Student Software Engineer, MyBestPlan   Jan 2022 – May 2022 │ Houston, TX
- Migrated an Excel sheet into a deployed Python Django website with a mySQL backend database utilized by energy providers sales representatives to view and update data with current partners. Allowed for concurrent use among users vs 1 Excel file.
- Created Django bootstrapped frontend views where users can add comments and fill in forms to register new plans. Created database schemas allowing for integration of features to store updated data.
- Implemented continuous integration and set up unit testing with Jenkins CI/CD pipeline resulting in 90% testing coverage.

</> PROJECTS

HelloSpace, NASA Hackathon
- Created a Python Twitter bot that pulled from NASA webscraped datasets and replied to Twitter mentions with an activity or local event to increase NASA's engagement with the city of Houston.
- Deployed the application through Heroku to allow tweets to be created in real-time with a 100% response rate. Executed creation of tweets using Twitter Developer API with OAuth and setup required environmental variables in <24 hrs.

CoogMusic
- Led a team of 5 to create a full-stack music web app where University of Houston students can upload and listen to music.
- Designed mySQL database and REST API to allow for data to be saved from the registration page and a feature where user is able to favorite artists and songs. Implemented browser cookies to allow for these user profiles and activities to be stored.

Etsy Sales Dashboard, Gabcodesigns
- Developed a Python dashboard consisting of graphs and charts of 1000+ sales data from my Etsy sales page to determine any correlations and trends within sales to drive new design creation. Capitalized on these findings resulting in 5% increase in sales.
- Automated downloading and filtering of data using Selenium and NumPy and fed data into Matplotlib to create visualizations.

💬 SKILLS AND EXTRACURRICULARS

Technologies / Tools: C++, Java, Python, HTML, CSS, JavaScript, TypeScript, React, Node.js, Express.js, mySQL, Django, Docker, Redux, Figma, Git, Figma, SVN, Unit testing in JavaScript - Jest, Mocha, Chai
Fellowships: Meta Above and Beyond Computer Science, IBM Accelerate, Citibank Early Identification Program, Codepath
Extracurriculars: Society of Asian Scientists and Engineers (SASE), Rewriting the Code, Built by Girls, Society of Women Engineers (SWE), Grace Hopper (GHC)