

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 Coursework: Data Structures and Algorithms (C++), Design of Databases, Software Development, Functional Programming

💼 PROFESSIONAL EXPERIENCE

Software Engineering Intern, NerdWallet

May 2022 – Aug 2022 | San Francisco, CA

- Converted 23 outdated React.js flow screens to Typescript and functional components utilized by 10,000+ users weekly to find loans resulting in cleaner and optimized code allowing for faster testing and software development cycles.
- Led a 3-week project design and implementation for a phone number verification feature to increase accuracy of customer leads.
- Gave and received daily code reviews (total 30+) to deliver and remediate any bugs before delivering code into production.
- Wrote and executed unit tests using JavaScript testing libraries in the CI/CD deployment process to increase code coverage by 3%.
- Facilitated daily Agile sprints as scrum leader for 10 engineers, product designers, and managers to ensure sprint goals are met.

Software Engineer Intern, Liberty Mutual Insurance

May 2021 – Aug 2021 | Remote

- Refactored legacy JavaScript code into 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 determine efficiency and statuses of internal services.
- Extended existing REST API calls for increased data visualization filters and use-cases resulting in 2x web visits.
- Achieved continuous integration through Git branching and updating stories from the Jira Platform and Bitbucket.

Student Software Engineer, MyBestPlan

Jan 2022 – May 2022 | Houston, TX

- Assisted a team of 5 to convert an Excel sheet into a deployed Python Django website with a SQL backend database containing home electricity plans and client information to match 1000s of customers with energy providers monthly.
- Implemented continuous integration and testing with Jenkins CI/CD pipeline resulting in 90% testing coverage.
- Created Django views to display SQL data into a table with filter options and form entry validation to allow for adding of new clients.

Business Owner - Gabcodesigns, Etsy

May 2017 – present | Houston, TX

- Achieve 9600+ sales of printable school signs and average an additional 1000+ yearly through Etsy ads, search, and SEO optimization.
- Generate 1000+ 5-star reviews through responsive customer service. Capitalize on Python findings resulting in 5% increase in sales.

</> PROJECTS

HelloSpace, NASA Hackathon

Jan 2022

- Created a Python Twitter bot that pulled from NASA webscraped datasets and replied to mentions with an activity to increase 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.

DailyFeelz, Liberty Mutual Insurance Hackathon

Jul 2021

- Collaborated with a team of 6 to develop a mental health check-in web app with 2 dashboards/views: manager and employee.
- Spearheaded Figma front-end design and initial React.js page template creation utilized by the team.
- Presented pitch deck and live demo to 100s of employees and panel of judges to proceed to top 10 projects.

CoogMusic

Jan 2021 – May 2021

- Led a team of 5 to create a full-stack music app where University of Houston students can upload and listen to music.
- Designed a MySQL database that communicated with the webpage through API calls to display music and data content.
- Wrote code in HTML, CSS, Handlebars.js, JavaScript to create a functional website with 3 possible registration types.

Visualizing and Webscraping of Etsy Sales, Gabcodesigns

May 2019 – Aug 2019

- Webscraped 1000+ sales data from Etsy sales page to determine any correlations or patterns within sales to drive new design creation.
- Utilized Python's Webdrivers to automate gathering and manipulation of data to create data visualizations using Matplotlib.

🧠 SKILLS AND EXTRACURRICULARS

Technologies: C++, Java, Python, HTML, CSS, JavaScript, TypeScript, React, Node.js, Express.js, MySQL, Django, Docker, A/B Testing

Tools: Git, Jira, Figma for UI/UX Design, Lucidchart for wireframing, SVN, Test-driven development, Agile, Scrum, CI/CD, Jenkins

Fellowships: Meta Above and Beyond Computer Science, IBM Accelerate, Citibank Early ID, Codepath, Rewriting the Code, Built by Girls

Clubs: Society of Asian Scientists and Engineers (SASE), Society of Women Engineers (SWE), Bonner Leaders, CodeCoogs, GHC