

Bianca "B" Salinas (she/they)

Mathematician, Full-Stack Software Engineer & Creative interested in Design, Automation, and Ethereum

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SKILLS & STRENGTHS

- **Programming Languages:** Python, JavaScript (ES6) & TypeScript, Java, SQL, Ruby, HTML5 & CSS3
- **Libraries & Frameworks:** React.js, Redux, Chakra-UI, Flask, PostgreSQL, Node.js, Homebrew
- **Testing & Automation:** Postman, Playwright, Loom, Ghost Inspector
- **Tools & Platforms:** Git, GitHub, JIRA, Docker, Heroku, Gatsby, Amazon Web Services
- **Design:** Figma, Adobe Creative Cloud, Notion, Markdown, LaTeX

PROJECTS

Spinning Donut — Python, Pygame, ASCII Nov 2022

Purely for fun, combines my love of math, art, and code.

- Used Python, Pygame, and Linear Algebra to display a 2D rendering of a spinning torus using ASCII.

YGO GX DA Deck Builder — Python, JavaScript, React/Redux, Chakra-UI, Flask, SQLAlchemy Apr 2022

Based on Yu-Gi-Oh! GX Duel Academy's built-in deck editor, users can browse, sort, and edit their decks.

- Created RESTful API routes to work in tandem with the Flask/Python backend, successfully retrieving and updating the Redux's store based on user input.

SoundTrack — JavaScript, Express, React/Redux, PostgreSQL, Sequelize Apr 2022

SoundCloud inspired, users can browse, comment, and favorite soundtracks from different movie scores.

- Designed a responsive, single page application with React's component library and Redux store, allowing users to listen to music uninterrupted while browsing different songs, albums, and artists.

thrifTEE — Python, JavaScript, React/Redux, Chakra-UI, Flask, SQLAlchemy, PostgreSQL May 2021

An e-commerce website, inspired by ThredUp, where users can browse/search by keyword & add items to a cart.

- Improved user experience by utilizing React, Redux's store, and Chakra-UI's component library to create a responsive add-to-cart function that renders based on user interaction.
- Integrated Redux's store with local storage to allow user's added cart items to persist page to page.

WORK EXPERIENCE

Associate QA Engineer @ Ender, Real Estate Technology Company Aug - Sept 2022

- One of two responsible for the day-to-day management and execution of Ender's manual testing and QA processes (Playwright, Ghost Inspector, and Loom).
- Used manual and tool assisted automated tests, reported and verified defects, and signed-off on features.
- Averaged 6 PRs daily, including approvals and revisions needed.

Software Engineer in Test @ Capgemini, Financial Services Mar - Jul 2022

- Worked closely with Product and Engineering Teams to understand features, develop and automate test cases to improve product quality and shorten release time from development to production.
- Analyzed test results, being a vocal proponent for quality in every phase of development.

Front Desk Associate @ Gold's Gym, South Texas Feb - Apr 2022

- Maintained and coordinated membership accounts daily by making sure members paid their dues on time and informing members of late dues.
- Managed, organized, and maintained an appropriate level of supplies and stock.
- Answered general phone inquiries regarding reservations, prices, and personal training information.

EDUCATION

App Academy — Certificate, Full-Stack Software Engineering

- **Related Coursework:** Object Oriented Programming, Data Structures & Algorithms, Systems Design & Architecture, Agile & SCRUM Methodologies, Unit Testing & Test-Driven Development, and best practices.

St. Edward's University — B.S., Mathematics w/ Minor in Philosophy

- **Related Coursework:** Linear & Abstract Algebra, Discrete Math, Multivariable & Advanced Calculus, Probability & Theory of Statistics, Propositional Logic, Differential Equations, and Complex Analysis.