

# CHRIS CORSI

## SOFTWARE ENGINEER

Full-Stack Software Engineer with expertise in developing dynamic user experiences through React, constructing scalable APIs using Django Rest Framework, and managing large datasets. A natural problem solver adept at delivering quality, maintainable code in fast-paced development environments. Experienced in building custom, client-facing applications. Transitioned from research project management, leveraging team leadership, data management, and organizational skills to excel in software engineering

### CONTACT

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### TECHNICAL SKILLS

#### Front-End:

- React: *JavaScript, Vite, Next.js,*
- Styling: *CSS, Tailwind, Bootstrap*
- Component Libraries: *Material UI*
- API Management: *AJAX, REST, HTTP*
- Data Representation: *HTML, JSON*
- Data Visualization: *Chart.js, Tableau*

#### Back-End:

- Database Management: *Django, SQL*
- API: *Django Rest Framework*
- Python

#### Software:

- Version Control: *GitHub, Git*
- Ticketing: *Trello, ClickUp, Jira*
- Wireframing: *Miro, FigJam*
- AI Prompt Engineering

#### Organizational:

- Continuous Integration & Deployment
- Agile Development/Scrum
- Product Development
- Supervision & Training

### EDUCATION & TRAINING

#### Momentum | 2023

Full-Stack Software Engineering Course

#### University of North Carolina at Chapel Hill | 2014-2018

Bachelor of Arts: Psychology

### EXPERIENCE

#### • Independent Contract Work | Software Developer | June 2022 - Current *UNC Chapel Hill, Brown University, Chestnut Health Solutions*

- Works with project managers, UX designers, and dev team to create innovative research solutions using FileMaker Pro, producing software that increased participant retention by 30% and a contingency-management application that secured a budget of \$40,000
- Conducts product planning and feature development according to client specifications
- Redesigned checkout process by adding a cart feature, reducing process complexity
- Incorporated JSinFM DataTables library, adding responsive search and filter of users
- Introduced multitenancy support for effective user and site management
- Tech: *FileMaker Pro, JavaScript, JSON, FMP API, Chart.js, JSinFM, DataTables, UX/UI*

#### • Momentum | Software Engineer | Jan - May 2023

- Completed a 16-week full-stack software development course with emphasis on JavaScript, React, Python, Django Rest Framework, and agile development
- Collaborated with team members to develop applications, including a jobs API query tool, a TypeScript based user forum, a quiz game built in Next.js, and final project *Bash*
- Used component libraries to implement seamless, accessible user interfaces in React
- Tech: *React, Next.js, TypeScript, AJAX, CSS, Django Rest Framework, Python, Git, Agile*

#### • COVID Prison Project | Data Specialist | Jan. 2020 - Feb. 2021

- Implemented project operations, including web development, documentation, staff supervision and training, and data acquisition, analysis, and visualization
- Created a WordPress website that saw over 1,000 daily visitors, leading UI development and implementation of API GET requests to supply live counts of COVID-19
- Oversaw data collection for a team of five, introducing web scraping and JS Google Scripts to automate processes, leading to a 40% increase in productivity
- Created data visualizations in Tableau, enabling filtration of cases by date and location
- Led successful migration of database systems, ensuring integrity and compatibility
- Tech: *WordPress, Tableau, GIS, Web Scraping, JavaScript, Google Scripts, API*

#### • UNC REHJ Lab | Research Project Manager | June 2019 - Jan. 2023

- Successfully drove study coordination, overseeing recruitment, data collection and analysis, and product development, achieving 100% of project milestones
- Developed custom retention software, overseeing app deployment and data migration
- Tech: *RedCap, Qualtrics, Excel, FileMaker Pro, Tableau, Asana, ClickUp, Trello*

### PRODUCT SPOTLIGHT - BASH

- Created "Bash," a collaborative event planning app using React and Django Rest Framework, leading planning, wireframing, front-end development, UX, and supporting API design
- Served as Scrum Master for a three-member dev team, employing an Agile/Scrum approach
- Led the implementation of a consistent, visually appealing UI using Material UI components
- Integrated social authentication via the Spotify API, using state management and local storage to provide dynamic routing, enabling users to create custom playlists
- Implemented Optimistic UI, instantly updating state post data operations, improving responsiveness by 20%