CHRIS CORSI

SOFTWARE ENGINEER

Full-stack Software Engineer adept at creating dynamic user experiences using React and developing scalable APIs with Django Rest Framework. A natural problem solver with deep knowledge of programmatic structures and a a strong focus on enhancing user experience. Proficient in leading teams and delivering quality, maintainable code in fast-paced development environments. Experienced in building custom, client-facing database solutions. Recently transitioned from a research project management role, leveraging strong communication, data analysis, and project management skills to excel in the software engineering domain.

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 Development - *Django Rest Framework*
- Python

Software:
- Version Control - *GitHub, Git*
- Ticketing - *Trello, Asana, GH Issues*
- Wireframing - *Miro, FigJam*
- AI Prompt Engineering

Organizational:
- Continuous Integration & Deployment
- Agile Development/Scrum
- Product Development
- Supervision, Training, & Mentoring

EDUCATION & TRAINING

Momentum | 2023
Full-Stack Software Engineering Course

University of North Carolina at Chapel Hill | 2014-2018
Bachelor of Arts: Psychology

PROJECT SPOTLIGHT - BASH

- Developed "Bash," a collaborative event planning app using React and Django Rest Framework, emphasizing frontend development and user experience
- Led a team of three as Scrum Master, streamlining design requirements, wireframes, and Agile/Scrum approach, increasing development speed by 30% on a tight timelines
- Integrated social authentication via the Spotify API and a versatile invitation process with auto-emails and public links, enhancing user engagement
- Implemented features like RSVP management, dietary restrictions, event duplication, notifications, and shopping lists using React Router, Tailwind, Material UI, Moment, and ICS

EXPERIENCE

Momentum | Software Engineer | Jan - May 2023
- Completed a 16-week full-stack software development course with emphasis on React, Django Rest Framework, and agile development, rapidly acquiring development skills
- Collaborated with team members to develop software applications and incorporated prior experience with UX design to develop clean, accessible user interfaces

Independent Contract Work | Software Developer | June 2022 - Current
UNC Chapel Hill, Brown University, Chestnut Health Solutions
- Develop custom FileMaker Pro (FMP) databases to client specifications, conducting product scoping, front and back-end development, and client strategy to deliver high performant, functional products within a client timeline
- Work with Project Managers, UX Designers to create innovative research solutions, producing software that increased participant enrollment and retention by 30%
- Conceptualized, prototyped, and developed a contingency-management FMP database to provide services for patients in recovery, securing a budget of $40,000
- Directed user flow across a complex array of enrollment screens, navigating users through a responsive framework of layouts in response to data input

COVID Prison Project | Data Specialist | Jan. 2020 - Feb. 2021
- Supported the rapid startup of a national hub for tracking COVID-19 cases in carceral facilities, directly contributing to the receipt of a RWF grant of over $100,000
- Created a WordPress website that served daily counts of COVID-19 cases and saw over 1,000 hits a day, crafting data vizualizations in Tableau
- Led the transition from an outdated database to an adaptive, user friendly framework
- Automated data collection using webscraping technology and JS based Google Scripts that led to a 40% increase in productivity while supervising a team of five Research Assistants

UNC REHJ Lab | Research Project Manager | June 2019 - Jan. 2023
- Managed implementation, data collection, and RA supervision of the SPECS study, a research study examining health experiences of people with criminal-legal experience
- Achieved excellent data integrity utilizing RedCap and Qualtrics while navigating changes in study demands and protocols, leading to a 94% study retention rate
- Created an FMP database to house retention data using design methodologies and advanced scripting, significantly improving data quality and reducing RA burden