SIRAJ CHOKSHI

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EDUCATION

University of Illinois at Urbana-Champaign   May 2023 *(expected)*
B.S. in Cognitive Science (GPA: 3.90)
Relevant Coursework: Data Structures, Discrete Structures, Python for Data, Programming for Cognitive Science,
  Intro to Object-Oriented Programming, Intro to Linguistics, Brain & Cognition, Statistics, Matrix Theory

RELEVANT SKILLS

Knowledge/Interests: Web Applications, Full-Stack Development, Data Visualization, UI/UX Design,
  Image Processing, Natural Language Processing, Software Architecture, REST/GraphQL
Languages: JavaScript/TypeScript, Python, Java, C#, Go, Haskell, WebAssembly, HTML, CSS
Frameworks: React, Redux, Node.js, Flask, ASP.NET, Unity3D, Vue.js, GatsbyJS, OpenCV
Software: Git, Linux/Unix, Sketch, Figma, Adobe Illustrator/Photoshop

RELEVANT EXPERIENCE

Software Engineering Intern   March 2020—Present
AbbVie (Champaign, IL)
- Developed applications with Vue.JS frontends and RESTful APIs to access large volumes of biometric data
- Implemented typeahead (predictive search), advanced query options, and shopping cart features
- Integrated TIBCO Spotfire dashboards with authentication and session storage into web applications

Undergraduate Research Assistant   May 2020—July 2020
Learning & Language Lab @ UIUC (Champaign, IL)
- Modeling social cognition at the Learning and Language Lab under Dr. Jon Willits
- Developed multi-agent systems to model social cognition with C# and Unity3D
- Conceptualized and built resource distribution and world generation algorithms

Cognitive Science Research Intern   June 2018—December 2018
GeneticsOfDesign.com (Concord, MA)
- Analyzed the perception of local architecture and its economic impacts using eye-tracking software
- Educated public on eye-tracking methodology through presentation at a local museum

Digital Media Intern   April 2018—September 2018
Dan Koh for Congress (Andover, MA)
- Communicated policy by designing marketing materials and media with quick turnaround
- Maintained the campaign website, databases, and webmail using PHP (Drupal), Python, and HTML/CSS

LEADERSHIP & EXTRACURRICULARS

Product Designer   January 2020—Present
Hack4Impact
- Designing and developing software solutions for non-profits and social good clients
- Worked with SaverLife to develop a mobile application (React Native) to complement their web platform
- Participated in code quality reviews and feature branching for collaborative development

Software Developer   September 2019—Present
Illinois Founders
- Developing software solutions for startups and student entrepreneurs at UIUC under the R&D team
- Led the frontend development of a job board web application built along with five other engineers
- Architecting a new website with a with a team of designers, board members and another developer

PROJECTS

Poke	**WASM Terrain Generator**	**ML Calendar (WIP)**
Built a SaaS for social media engagement with Python cloud functions and a React/Redux progressive web application	A terrain generator using Perlin 2D noise implemented in C and compiled in WebAssembly	Calendar application that models user behavior to optimize schedules Final deliverables built in Node.js with a React Native frontend
https://github.com/poke-saas/poke	https://terrain.sirajchokshi.com	