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

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RELEVANT SKILLS

Knowledge/Interests: Web Development, Computational Modeling, Data Visualization, Neural Networks, Natural Language Processing, Image Processing, Software Architecture, REST/GraphQL
Languages: JavaScript/TypeScript, Python, Java, C#, Go, Haskell, WebAssembly, HTML, CSS
Frameworks: React, Redux, scikit-learn, Flask, OpenCV, ASP/.NET, Unity3D, GatsbyJS, Vue
Software: Git, Linux/Unix, Sketch, Figma, Adobe Illustrator/Photoshop

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RELEVANT EXPERIENCE

Software Engineering Intern   March 2020—Present
AbbVie (Champaign, IL)
- Constructing a frontend with Vue.JS for internal web applications consuming REST APIs
- Integrated typeahead (predictive search), shopping cart, and TIBCO Spotfire dashboards into web applications

Undergraduate Research Assistant   May 2020—July 2020
Language & Learning Lab @ UIUC (Champaign, IL)
- Modeling human acquisition of cognitive and social behavior under Dr. Willits
- Developing a multi-agent neural network with C# and Unity 3D

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 by presenting 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
- 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 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

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PROJECTS

Poke   February 2020—May 2020
- Built a SaaS (Python) and mobile client (Ionic) with Firebase cloud functions at HackIllinois 2020

Pic-to-LaTeX (WIP)   May 2020—Present
- Resolves an image into LaTeX output for mathematical proofs using OpenCV and Tesseract for OCR

WASM Terrain Generator   May 2020
- A terrain generator using Perlin 2D noise implemented in C and compiled in WebAssembly

ML Calendar (WIP)   May 2020—June 2020
- Calendar application that models user behavior to provide useful suggestions and optimize one's workload