

# SIRAJ CHOKSHI

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## EDUCATION

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### University of Illinois at Urbana-Champaign

May 2022 (*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, Perception and Sensation

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## RELEVANT SKILLS

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**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#, Haskell, WebAssembly, HTML, CSS

**Frameworks:** React, Redux, scikit-learn, Flask, OpenCV, ASP/.NET, Unity3D, NumPy, Pandas, GatsbyJS, Vue

**Software:** Git, Linux/Unix, Sketch, Figma, Adobe Illustrator/Photoshop

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## RELEVANT EXPERIENCE

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### 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—Present

*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 Python (Drupal), XHTML and CSS

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## LEADERSHIP & EXTRACIRRICULARS

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### 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

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### 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