

SIRAJ CHOKSHI

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EDUCATION

University of Illinois at Urbana-Champaign

May 2022 (*expected*)

B.S. in Cognitive Science (GPA: 3.90)

Relevant Coursework

- Discrete Structures, Python for Data, Programming for Cognitive Science, Introduction to Object-Oriented Programming, Statistics, Perception and Sensation

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#, Haskell, WebAssembly, HTML, CSS

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

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

RELEVANT EXPERIENCE

Software Engineering Intern

March 2020—Present

AbbVie (Champaign, IL)

- Constructing a frontend with Vue.JS for an MVC web application consuming a SOAP API

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

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 team of designers, board members and another developer

PROJECTS

Poke

February 2020—May 2020

- SaaS and client to increase member engagement at university organizations
- Built an Ionic mobile application integrating with a RESTful API and a Firebase store

Pic-to-LaTeX

May 2020—Present

- Resolves an image into a LaTeX formatted output for mathematical equations and proofs
- Implemented image segmentation and OCR (Google Tesseract) with OpenCV

Terrain Generator

May 2020

- A terrain generator using Perlin 2D noise implemented in C and compiled in WebAssembly
- Visualized with JavaScript and HTML5 canvas