**Ian SooHoo**

A close up of a sign

Description automatically generatedA picture containing sky, saw

Description automatically generatedhello@iansoohoo.me github.com/capturetheworld [linkedin.com/in/iansoohoo/](https://www.linkedin.com/in/iansoohoo/) [IanSooHoo.me](http://iansoohoo.me/)

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| **University of Illinois at Urbana-Champaign**  Master of Computer Science (MCS), Online | **IN PROGRESS**  GPA: 4.0 |
| **San Jose State University, CA**  Bachelor of Science in Computer Science (BSCS) | **MAY 2021** GPA: 3.50 |
| **Unique coursework**: Blockchain (**JavaScript** and **Go**), TensorFlow (on Anaconda), Advanced Python, Scala Functional Programming, Compiler Design, UCBx UI/UX Bootcamp (Figma, AdobeXD, Invision) | |

EDUCATION

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| **DocuSign** // Software Development Engineer | **JUNE 2022-SEPTEMBER 2022** |
| * Improved rules logic front-end, utilizing **TypeScript, React,** and **NestJS,** coordinating with multiple design and language localization teams across the company. * Strategized and implemented details modal for app connections information with **React, CSS** and **Figma**. * Generated 20 unit tests for various components using **Jest** and **React Testing Library** and contributed debugging details via internal Kazmon data queries. * Documented team practices and environment/sandbox setup to improve onboarding efficiency. | |
| **CK-12** // Interactives Software Development Intern | **SUMMER 2019** |
| * Implemented **6 interactive web apps** for 4 open-source online textbooks in **JavaScript**. * Improved user experience for pre-existing web apps and generated website feedback for the CEO, with 90% acceptance. | |
| **Upin** //UX Engineer Intern | **SUMMER 2018** |
| * Applied SCRUM process for 2-week sprints at a startup company developing a social media app. * Designed wireframes, user flows, logos, and over 20 UI concepts in Sketch App and Illustrator. * Managed assets and sprints through Trello and Zeplin for the UX team. | |

HIGHLIGHTED EXPERIENCE

SKILLS

**LANGUAGES:** Python • Java • **JavaScript (NodeJS)/TypeScript** • **GoLang** (familiar) • HTML/CSS/EJS  
**OTHER:** **ReactJS** • DataFrames • NumPY • Matplotlib • BeautifulSoup • MongoDB • **AWS EC2 (Linux)**

HIGHLIGHTED PROJECTS

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| **Pasttime – Post-COVID Activity Finder** |  |

* Lead a team of three and utilized **NodeJS** to build a webapp that pulls recreational activity information from **MongoDB**.
* Secured user information with **NPM Crypto** library and created a virtual currency.

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| **Opcode Machine Learning for HMM-based Metamorphic Virus Detection** |  |

* Utilized **EJS** templating, **Bootstrap** and **CSS Grid** to build a responsive front end
* Developed opcode file processor in **Python 3** that analyzes **thousands of files in seconds** and generates a Hidden Markov Model (neural network) compatible output file.
* **Designed an algorithm** to tally the 30 most frequent opcodes in the folder family and truncate the remaining pool.
* Utilized **Python library NumPY, Python dictionaries**, and string manipulation to produce a clean output.

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| **Responsive Diagram web app** |  |

* Designed and created, with a team of 4, a web app that aids students in creating UML class diagrams.
* Utilized **JavaScript, HTML Canvas, and CSS** to create a responsive web design, utilized by students in Computer Science classes.