JONATHAN PHIPPS

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EDUCATION

University of Illinois Urbana-Champaign *Graduating May 2019*
Senior Undergraduate Overall GPA: 3.58/4.00
Bachelor of Science in Computer Science and Linguistics
Relevant Courses: Data Structures, Software Development, Systems Programming, Algorithms

SKILLS

Programming Languages	Javascript/ES2015, Python, C, Java
Technologies	Nodejs, Reactjs, Git, MongoDB, SQL
Languages	English (Native), Japanese (Fluent), Mandarin (Beginner)

INDEPENDENT PROJECTS

OCR Japanese Dictionary History Jun 2018 - Aug 2018
· Developed webapp and chrome extension for tracking Japanese-English dictionary lookup history
· Designed attractive welcome-page and user friendly UI
· Integrated an increment button into each dictionary entry on jisho.org via a chrome extension
· Utilized Tesseract OCR and Kuromoji Japanese Tokenizer to parse images and load new words

Japanese Flashcard App Nov 2017 - Dec 2017
· Created flashcard webapp with built-in Japanese-English dictionary for easy flashcard creation
· Solved the time-intensive problem of copying data from dictionary sites for every new flashcard
· Learned the basics of security through password hashing and webtokens for authentication
· Implemented JMDict XML-based Japanese-English dictionary by converting into an SQL database
· Built using React, Redux, Nodejs, and mysql

Agricultural Supply Chain Assistant Agco Hackathon 2019
· Collaborated with team of 4 to design app that assists agriculture distributors in managing stock
· Built nodejs back-end that serves data stored in mongo database and assisted with front-end
· Worked closely with other developers under high pressure to deliver app on time
· Demonstrated design process and app features to judges and won 1st place

EXPERIENCE

Hack Illinois 2019 Aug 2018 - Present
Front-end Developer
· Work with large event team to deliver best experience for hackers
· Mentored less experienced team members about design decisions and web development skills
· Cooporate with design team to create a simple and beautiful website
· Plan development approach and administered tasks to other developers