

JONATHAN PHIPPS

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EDUCATION

University of Illinois Urbana-Champaign

Graduated May 2019

Bachelor of Science in Computer Science and Linguistics

Overall GPA: 3.50/4.00

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 - Present

- 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 - Feb 2019

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
- Cooperate with design team to create a simple and beautiful website built with React
- Plan development approach and administered tasks to other developers