David Wang

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Education

University of Iowa, December 2021
- Computer Science BA, Economics BS
- Relevant coursework: Programming Language Concepts, Object Oriented Software Development, Algorithms, Econometrics, Data Structures, Statistics

Professional Experience

Undergraduate Research Assistant   **Iowa City, IA**
Molecular Otolaryngology and Renal Research Lab - JS, Python, Ruby   *June 2019 - May 2021*
- Developed features for data processing pipeline - improved methodology for classifying genetic variants as disease causing or not
- Implemented and integrated table for use in lab's website - enabled clinicians to download data and parse thousands of genetic variants at varying levels of granularity
- Automated generation of a series of graphs visualizing genetic data, furthering research
- Presented updates with my team at 6 lab wide meetings

Software Development Intern   **New York, NY**
Carl Fischer Music - HTML, CSS, SQL, Tesseract OCR   *June 2018- August 2018*
- Developed and released new features for company's custom content / asset management software - built upon WordPress
- Developed an application utilizing optical character recognition software to digitize and catalog over 2,300 pages of paper records
- Collaborated across multiple departments and within the development team with Git, Trello, meetings, and emails

Activities

HackIowa   **Iowa City, IA**
Webmaster   *Fall 2017 - Spring 2019*
- Designed and implemented website redesign; modernizing content and design

Skills, Languages, Interests

- **Skills:** Java (proficient), Python (proficient), Shell scripting (intermediate) Ruby (intermediate), React (intermediate), Haskell (basic)
- **Languages:** English (native), Mandarin Chinese (proficient), Spanish (basic)
- **Interests:** Classically trained pianist, self-taught jazz pianist, coffee fanatic, cooking enthusiast