

Bing-Yuan (Eric) Hsieh

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Education

University of Illinois at Urbana-Champaign

- B.S. in Statistics and Computer Science, graduating in spring 2021
- GPA 3.97 / 4.00
- Dean's List for Fall 2018, Spring 2019, Fall 2019, Spring 2020

Experiences & Projects

COVID-19 Tracker

Aug. 2020

- A real-time COVID-19 visualization developed with React.js and Material-UI, featuring a modern and intuitive interface.

HackIllinois / Back-end Developer

Sep. 2019 - May. 2020

- Developed API backends with MongoDB, Go, AWS for authorization, database access, and event dashboard.
- Participated in weekly team meetings, devoted ~8 hours weekly.

Google Scholar Visualization

Jan. 2020 – May. 2020

- An interactive web app offering creative ways to explore the Google Scholar database, featuring graph visualization of articles and authors, article recommendation system, and a database editor.
- This is a team project developed using React, MySQL, Neo4j, AWS.

Face to Sketch Generation

Sep. 2019 – Jan. 2020

- A team project on sketch generation from portrait photos developed with Python. Investigated classical as well as Generative Adversarial Networks approaches.

Skills

- Python, C, C++, Java, Java Script, React, MySQL, MongoDB, Neo4j, AWS, Numpy, Go, Verilog, Git

Relevant Coursework

- Data Structures, Systems Programming, Database Systems, Computational Photography, Computer Architecture, Discrete Structures, Software Design Studio, Probability & Statistics, Numerical Methods, Linear Algebra, Calculus I, II, and III.

Languages

- Mandarin (Native), English (Near Native), French (B1), Taiwanese Hokkien.