Jake Ryan

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EDUCATION

University of Iowa   Iowa City, IA
Bachelor of Arts in Computer Science   *Anticipated May 2025*
Relevant Coursework: Calculus 1/2, Multivariable Calculus, Discrete Structures, Data Structures

EXTRACURRICULAR

Association for Computing Machinery (ACM)   September 2021 – Present
Member   *Iowa City, IA*
- Enhance general computer science knowledge in a weekly classroom setting
- Refine resume building skills instructed by credible leaders
- Exercise relevant coding interview and LeetCode questions

University of Iowa College of Engineering Web Intern   June 2022 – Present
University of Iowa   *Iowa City, IA*
- Enhance grasp of Web Design and Development through CSS styling and Web Development Platforms
- Design and Develop numerous pages for the college's main navigation sites
- Handle a wide variety of customer ticket requests consisting of updating page content and arranging content across the college's displays

PROJECTS

Twitter Bot GUI | *Python, Tkinter*   December 2021
- Developed application implemented in Tkinter using Twitter's API combined with Google Maps Platform API
- Allowed users to set a desired radius at any location and retrieve tweets from within the desired range
- Expanded insight on full stack application development through API's and user interaction with the GUI

Weather Web Application | *HTML, CSS, JavaScript, OpenWeather API*   June 2022
- Developed a web application to display the weather of any city using OpenWeather API
- Further knowledge of API usage within a program
- Added a unique option to use device's current location for user accessibility

Sorting Visualizer | *HTML, CSS, JavaScript*   June 2022 – Present
- Develop a web application to display the way various sorting algorithms function
- Further knowledge of sorting algorithms and their implementations
- Visually display data for user accessibility and functionality

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, HTML/CSS
Frameworks: React
Developer Tools: Git, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Spyder
Libraries: TKinter, NumPy, Matplotlib