Will Yelton

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Education

Rose-Hulman Institute of Technology | Terre Haute, IN   **Expected Graduation Date: 05/2022**

Bachelor of Science, Computer Science, Data Science, and Economics
GPA: 3.87

Highlighted Courses: Data Structures and Algorithms, Design and Analysis of Algorithms, Theory of Computation, Biology Inspired AI, Operating Systems, Software Requirements, Software Design, Database Systems, Advanced Database Systems, Deep Learning

Experience

United Parcel Service | Louisville, KY   **Summer 2020, 2021**
Applications Developer Intern

Full stack development on a mobile friendly web application for dispatcher shift scheduling

- Designed and build a mobile and desktop friendly schedule and sign up page   Angular, Typescript, CSS
- Developed a Spring Boot Java backend service to communicate between the web-app and a Firebase database   Java, Spring, Firebase
- Deployed on Google Cloud in a Kubernetes cluster   Google Cloud Platform, Kubernetes
- Developed a Spring Boot Java backend service to transfer data between the web app and a SQL database   Java, Spring, SQL

United Parcel Service | Louisville, KY   **06/2019-08/2019**
Applications Developer Intern

Worked on a team to develop a web application to display historical data to flight dispatchers to help them determine how much fuel needs to go on the plane

- Designed and implemented a user friendly web application to display data aggregates   Angular, Typescript, CSS
- Worked on a Python script to aggregate data into useful statistics from years of historical data   Python, Pandas
- Designed a database schema to efficiently store aggregated data
- Developed a Spring Boot Java microservice to retrieve aggregated data from a SQL database   Java, Spring, SQL

Rose-Hulman Institute of Technology | Terre Haute, IN   **09/2021-present**
Teaching Assistant

Worked as a teaching assistant for Biologically Inspired Artificial Intelligence

- Helped students with programming assignments
- Helped develop new interesting assignments related to artificial creatures

Projects

Biologically Inspired Artificial Intelligence Demo Application | Rose-Hulman | Personal:

- Designed and Programmed a Web App in react that shows different bio inspired ai topics: Cellular Autonoma, Game of Life, L-Systems, Biods
- Hosted on Firebase, avaliable at *https://bioai.willyelton.dev*   React, JavaScript, JSX, Firebase

Snake Machine Learning | Personal:

- Created a neuroevolution algorithm to learn to play the game Snake with no additional libraries   Python
- Developed a UI to view the evolution progress and set some parameters   Python, Pygame

Personal Website | Personal:

- Created and deployed a website from scratch to show some projects that I have done   React, JavasScript, HTML, CSS, Bootstrap
- Hosted on Firebase, avaliable at *https://willyelton.dev*   Firebase

Skills

Languages: Java, JavaScript, Python, C, HTML, CSS, SQL
Tools: Git, Node.js, React, React Native, Angular, Microsoft SQL Server, MongoDB, Neo4j, Redis, Bootstrap, Linux, Spring, Pandas
Development: Agile, Scrum, Algorithm Design, Data Structures, Software Design