Avik Bosshardt – Resume

avikbosshardt@gmail.com | avikbosshardt.com | Madison, WI

Education

Macalester College | St. Paul, MN | Sept. 2017 – May 2021
Bachelor's Degree: Computer Science Major, Statistics / Psychology Minors
GPA: 3.95 overall / 4.0 in-major

Relevant Coursework (Grade in Parenthesis): Database Management Systems (A), Computer Systems Organization (A), Artificial Intelligence (A), Statistical Machine Learning (A), Data Science (A), Software Design/Development (A), Algorithm Design/Analysis (A), Theory of Computation (A)

Awards/Honors: DeWitt Wallace Distinguished Scholarship

Language and Technology Skills

Object Oriented Programming: Java, Python, TypeScript
Mobile Development: Ionic Framework
Web Design/Development: HTML5, CSS, JavaScript
Version Control: Git, Subversion
Math, Statistics, Data Analysis: R, Mathematica
Machine Learning: Python, TensorFlow, Keras

Work Experience

Software Developer – Epic | Madison, WI | July 2021 – Present

Software Developer Intern – Epic | Madison, WI | June 2020 – Aug. 2020

- Worked on a web development project which would help patients see doctors who are in convenient locations
- Conducted a rapid, highly iterative, user-centered design and development process

Research Assistant – Macalester iLab | St. Paul, MN | Sept. 2018 – May 2020

- Spearheaded the creation of new materials for training incoming employees in the use of lab software
- Coordinate with a team of research assistants to design, program, and run psychological eye-tracking experiments
- Adapt quickly to resolve unexpected issues or equipment failures during experiments

Research Assistant – Macalester AI and Robotics Lab | St. Paul, MN | May 2019 – July 2019

- Collaborated with students and faculty to design, train, and integrate a convolutional neural network into a robot navigation system using TensorFlow and OpenCV
- Performed extensive refactoring to greatly streamline training data collection process
- Achieved significant increases in performance and accuracy compared to previous years' work