Michael V. Dow

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EDUCATION

University of Illinois Urbana-Champaign, IL
Bachelor of Science, Computer Science Expected May 2021
GPA: 4.00/4.00

Illinois Mathematics and Science Academy Aurora, IL
College Prep Program June 2017
GPA: 3.67/4.00

EXPERIENCE

CU Transit: Bus and Navigation (Android App) May 2017-Present
Developer
- Developed app to track Champaign-Urbana bus system in real-time using RESTful API
- Downloaded over 800 times with more than 600 daily active users

Association for Computing Machinery Urbana-Champaign, IL
Member August 2017-Present
- Improved Android and web development skills through group-based projects
- Contributed to student-run robotics group through programming vision and autonomous system

PAC Lab Research Project Loyola University Chicago
Student Researcher August 2015-May 2016
- Developed Python application to analyze accelerometer data of arbitrary repetitive motions using appropriate libraries such as NumPy, SciPy, and Matplotlib
- Achieved 80.75% accuracy in counting number of repetitions in any general movement

LEADERSHIP AND ACTIVITIES

FIRST Robotics August 2014-May 2017
Head of Programming
- Led a programming team of 10 members with varying skill
- Coordinated with other team heads and leadership members to decide on strategy and to ensure all work was completed
- Implemented vision processing system using an on-board computer and multiple cameras using Python
- Developed autonomous programs using imaging and varying sensors using Java

Student Computing Support August 2016-May 2017
Head Tech Support
- Led and managed residential computing support team to ensure all issues were fixed within 24 hours
- Assisted students with setting up internet, connecting to printers, re-imaging machines, and other issues

Technical Skills

Proficient: Java, Python, C#
Familiar with: HTML/CSS, JavaScript, SQLite