

Michael V. Dow

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EDUCATION

University of Illinois
Bachelor of Science, Computer Science

Urbana-Champaign, IL
Expected May 2021
GPA: 3.83/4.00

Illinois Mathematics and Science Academy
College Prep Program

Aurora, IL
June 2017
GPA: 3.64/4.00

EXPERIENCE

CU Transit: Bus and Navigation (Android App)
Developer

May 2017-Present

- Developed app to track Champaign-Urbana bus system in real-time using RESTful API
- Downloaded over 1200 times with more than 800 daily active users

PAC Lab Research Project
Student Researcher

Loyola University Chicago
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 of any general, repetitive movement

LEADERSHIP AND ACTIVITIES

FIRST Robotics
Head of Programming

August 2014-May 2017

- 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 with imaging and various sensors using Java

Association for Computing Machinery - WebMonkeys
Member

August 2017-Present

- Learned about new web technologies and improved web development skills through talks and small projects

Student Computing Support
Residential Team Leader

August 2016-May 2017

- 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: C++, HTML/CSS, JavaScript, SQLite