

# Michael Leon

58 E Healey St., Champaign, IL, 61820 | 847-313-8536 | [mal7@illinois.edu](mailto:mal7@illinois.edu)

## EDUCATION

*University of Illinois at Urbana-Champaign; Bachelor of Science in Computer Science*

*Expected graduation:*

*May 2021*

### *Relevant Coursework*

- Discrete Structures, Programming Studio, (fundamental principles and techniques of software development; design, documentation, testing, and debugging software, with a significant emphasis on code review) Data Structures, Computer Architecture.

## SKILLS

- Proficient in Java, JavaScript (jQuery, Processing.js,), Ruby.
- Familiar with C++, node.js, Python, Haskell, HTML, CSS.

## PROJECTS/EXPERIENCE

- Capital One: Software Engineering Intern. Worked according to AGILE methodology to create an internal tool for directors or above to manage their resources. Built the application out in a web interface using MVC development with Ruby on Rails, PostgreSQL for the data backend, and AWS for deploying. May-Aug 2018
- Carried out a year-long research project involving AI & predictive analytics with an application to the futures market (competed in IJAS won best in category for state of Illinois.) April 2016
- Completed another research project focused on creating decentralized algorithms to guide autonomous self-driving vehicles through traffic intersections. April 2017

## LEADERSHIP AND HONORS

- Recipient of State Farm Computer Science Scholarship; for freshmen in computer science who have had strong academic achievement. 2017
- Member of the National Honors Society chapter at Niles West.
- Sole programmer for robotics team competing in VEX robotics; qualified for Nationals and State levels. 2015-2017
- App Development Club founding member and subsequent president. We worked on outreach to the student body to get people interested in coding; offered hands-on work with various technologies such as the Raspberry Pi and Processing.js 2014-2017
- WYSE academic competition in Computer Science category; third overall for region two consecutive years, 2016 and 2015; 4th in state in 2017 2013-2017
- Placed top ten in AMC competition in Purdue. 2014

## ACTIVITIES & INTERESTS

- Illini Fighting Hunger 2017-present
  - Campus student organization responsible for organizing, preparing for, and staffing meal packaging events.
- Tutor at high school's literacy center. 2015-2017
- Volunteer at local public library; assisted patrons with using technology 2015-2016
- Illinois Men's Ultimate Frisbee Team 2018-present