

# Michael Leon

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## EDUCATION

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

Expected graduation:

May 2021

Relevant Coursework

- Discrete Structures, Programming Studio, Data Structures, Computer Architecture, Systems Programming.

## SKILLS

- Proficient in Java, JavaScript (jQuery, Processing.js, etc.), 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 (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

- Hack4Impact; using code for social good. 2018-present
  - We collaborate with nonprofits and other socially responsible organizations to develop software that meets important social and humanitarian needs.
- Illini Fighting Hunger 2017-present
  - RSO that organizes meal packaging events.
- Tutor at high school's literacy center. 2015-2017
- Volunteer at local public library; assisted patrons with using technology 2015-2016
- A Novel Idea UIUC (book club) 2018-present