

## Henry Karagory

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Worthington, OH 43085

### OBJECTIVE

To pursue internship and co-op opportunities in software development

### EDUCATION

The Ohio State University, Columbus, OH  
B.S., Computer Science Engineering, Mathematics

Expected Graduation: May 2019

Overall GPA: 3.98 (4.00 scale)

### TEAM PROJECT EXPERIENCE

Chem-E-Car Team

*Timing Mechanism Subgroup Team Leader, January 2016-May 2017*

- Developed car braking system by performing chemical and mechanical testing
- Responsible for organizing team meetings, coordinating with other subgroups, scheduling project work, and advising team members
- Programmed an Arduino microcontroller using C++ to control the braking process
- Responsible for obtaining and analyzing data for the braking system to ensure that the car is capable of driving to and stopping at a specified location

Fundamentals of Engineering Honors Robot Competition, January-May 2016

- Developed autonomous robot that completed an obstacle course with three teammates
- Led the design and construction of the robot and assisted with software development in C++
- Produced the team documentation including final report, budget, and team record

### PROGRAMMING LANGUAGES AND TOOLS

- Familiar with Java, Python, MATLAB, HTML5, CSS, JavaScript, SQL
- Eclipse, PyCharm, and git

### WORK EXPERIENCE

Abiobot

*Protocol Engineer Intern, July 2017-Present*

- Developing, documenting, and testing software to automate biological lab work by programming an Opentrons robot using Python
- Using the Opentrons API to automate the Real Time Polymerase Chain Reaction experiment

Chemical Abstracts Service

*Student Staff Analyst, May 2017-Present*

- Analyzing literature related to industrial organic chemistry by summarizing and identifying key concepts and substances
- Collaborating with analysts to index articles from different areas of organic chemistry
- Analyzed employee workflow data to identify ways to improve working efficiency with Excel

Franklin International, Columbus, OH

*Industrial New Product Development Intern, May-August 2016*

- Assisted in the research, development, and improvement of polymer and industrial adhesive products
- Performed chemical and physical testing of products and data analysis to identify successes, failures, and improvement opportunities

### HONORS AND ACTIVITIES

- Engineering Dean's List: Fall 2015, Spring 2016, Fall 2016, Spring 2017
- Conversant in Spanish
- Delegate to the American Legion Buckeye Boy's State, Summer, 2014