

Dillon Kesto

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Education

Bachelor of Science Degree, Computer Science

Graduation: May 2018

University of Michigan

Ann Arbor, MI

GPA: 3.88/4.0

Work Experience

Forward Vision, LLC

May – Sept. 2016

Software Engineering Intern

- Developed scripts and tools that increased the efficiency and throughput of the engineering team
- Developed programs that analyze real world data to produce useful results for the advancement of the company
- Gained communication and critical thinking skills through collaboration with robotics engineers

Project Experience

Forward Vision, LLC

May – Sept. 2015

RDS Generator

- Utilized the Qt Framework to develop a GUI program that generates robot data sheets
- Data sheets contain critical information regarding machines commissioned on the factory floor
- Program allows for automated data sheet generation, improving efficiency of engineers while saving time and money

Factory Optimization Project

- Developed heuristic algorithm, providing optimal groupings for Automated Guided Vehicles (AGVs) to deliver parts
- Program offers a solution that serves as a good foundation for optimizing the paths of AGVs

Electrical Engineering Computer Science 183 (Elementary Programming Concepts)

Sept. – Dec. 2015

Creative AI Project

- Developed a program with three other students that generates random lyrics and music similar to an input artist
- Learned Python extensively and used advanced concepts such as inheritance and classes
- Developed communication and teamwork skills by collaborating with other engineers

Electrical Engineering Computer Science 280 (Programming and Introduction to Data Structures)

Image Seam Carving Project

- Developed a program that resizes images using a seam carving algorithm
- Utilized advanced C++ concepts such as compound objects, abstract data types, and pointers

Organizations

Chaldean American Student Association

Sept. 2014 – present

- Gained interpersonal skills through events with fellow members
- Spread cultural awareness of Chaldeans on campus

Wolverine Tutors

- Tutored high school students in chemistry and mathematics
- Developed effective communication skills managing students' homework questions online

Sept. 2015 – Sept. 2016

Volunteer Experience

- Great Lakes Caring Hospice
- Relay for Life
- High School Tutor: Math, Chemistry, and Physics

May – Sept. 2015

May 2015

Skills

- Proficient in C++, Python, and the Qt 5 Framework
- Visual Basic Scripting, Qbasic, Adobe Dreamweaver, and MS Office
- Proficient in Spanish (4.5 years)

Awards

- Varsity letter winner in Track & Field and Cross Country
- National AP Scholar
- Valedictorian – Milford High School

2013, 2014

May 2014

May 2014