

Brian Flanagan

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Education

Michigan Technological University (MTU), Houghton, MI

Expected: May 2018

Computer Engineering M.S.

GPA: 4.0

Michigan Technological University (MTU), Houghton, MI

April 2017

Computer Engineering B.S.

GPA: 3.77

Magna Cum Laude

Dean's List Honors obtained every semester

Recording Secretary of Eta Kappa Nu - Beta Gamma Chapter

Studied abroad at Trinity College, Dublin, Ireland

Fall 2015

Skills

- | | | | |
|--------------------|--------------|----------|-------------------------------|
| • Machine Learning | • Java | • C | • Data Structures |
| • Assembly | • Algorithms | • MATLAB | • Object-Oriented Programming |

Related Experience

Web and Mobile Application Development Intern

May 2017 – July 2017

Ford Motor Company, Dearborn, MI

- Designed a tool that allowed for remote automated testing of applications on mobile devices
- Developed a solution that included a web tool written in AngularJS, custom RESTful endpoints, and a desktop terminal application written in Java which will enable global usage of devices located in one physical location
- Collaborated with multidisciplinary teams to provide a functional proof of concept by the end of the internship

DeVlieg Foundation Undergraduate Research Fellow

May 2016 – May 2017

Michigan Technological University, Houghton, MI

- Developed a more effective classifier for indicating damage in post-earthquake satellite imagery
- Applied fuzzy logic approaches for training classifiers in the presence of uncertain training data labels
- Presented and contributed to group meetings composed of MTU faculty and graduate students and NASA Jet Propulsion Lab researchers
- Placed second overall for research presentation at MTU's 2017 Undergraduate Research Symposium, which had over 70 participants

Projects

Harman International Automated Hardware Fault Testing, MTU

Role: Team Lead

- Created an automated testing application for hardware made by Harman International
- Designed and implemented a system of relays controlled by a program written in C# for producing and testing various physical hardware failure scenarios

Ford / Target Mobile Application, MTU

Role: Developer

- Partnered with Target and Ford Motor Company in order to develop a mobile Android application that is useful to both companies
- Edited Graphical User Interface elements and implemented functionality changes