

Alexander Dinsmoor

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Education

Michigan State University, East Lansing, MI
Computer Science Masters – Fall 2015 – Present

Education

Michigan Technological University, Houghton, MI, 49931
Computer Science Undergraduate – Fall 2011 – Spring 2015
Economics Minor
GPA: 3.27 out of 4 Overall – 3.3 out of 4 Departmental

Work and Leadership

- Editor-In-Chief for The Daily Bull, Michigan Tech's Daily Satirical publication March 2013 - Present
- President for Mitch's Misfits – Spring 2014 – Present
- Treasurer ACM@MichiganTech – Spring 2014 - Present
- Wadsworth Hall Desk Receptionist, Michigan Technological University, 2012 - 2013
- Public Relations Manager, Michigan Tech IRHC Broomball, 2012 – 2014
- Broomball Referee, Michigan Tech IRHC Broomball, 2011 - 2012
- Social Media Director for WMTU, 91.9 Houghton, MI September 2011 – September 2012
- Advertising Manager for The Daily Bull, Michigan Tech's daily satirical publication September 2011 – March 2013

Achievements

- Best Pinterest Hack – Mhacks Winter 2014
- Best Yahoo Hack – HackIllinois Spring 2014
- Top Software Hack – TechHacks Winter 2014, Fall 2013
- Eagle Scout with Boy Scout Troop 40 of Rochester, Michigan

Strengths

- Good customer service and people skills
- Hard working, detail oriented, flexible, and adaptable
- Experienced in providing and following directions.
- Hands-on experience with electrical and mechanical hardware, wiring, and electrical design for mobile robotics.
- Quickly learner of new technology/processes; equally successful in both team and self-directed settings;
- Proficient in Mac and Windows computer systems, experience with Java programming and web site design.

Technical Work Experience

Facebook
1 Hacker Way
Menlo Park, CA

Summer 2015

Software Engineering Internship in which I worked with the Profile Team at Facebook to develop new products for Facebook. Worked primarily in PHP on both consumer-facing and back end technologies.

Ford Motor Company
1 American Rd
Dearborn, MI 48126

Summer 2014

Summer internship in the Application Development department, in which I worked on Big Data's presence at Ford. Worked heavily with Hadoop (Hortonworks) and connected vehicle to accomplish derivatives related to predictive analytics and data warehousing.

Jackson National Life Insurance Smartzone
600 E. Lakeshore Drive
Houghton, MI 49931

August 2013 – December 2013

iOS Development Internship on the User Interface team. Worked on designing and developing a UI for a recruiting application to be used within Jackson.

Projects

- SportsViz – Sports visualization website for MTU Hockey and Broomball
- LowrHatr – Automated Twitter message service to send positive and negative messages to friends. **Winner Best Software Hack, TechHacks Fall 2013**
- PinHUD – Pinterest business kiosk for displaying popular store items from pinterest. **Winner Best Pinterest Hack, Mhacks Spring 2014**
- WeSpeed – Crowdsourced location based Internet speed tests.
- Socialize – Social site to help individuals find events and friends who share common interests. **Winner Best Software Hack, TechHacks Spring 2014**
- CrowdHydrology – NSF grant sponsored project to crowdsourcing the collection of water level data from streams nationwide. Created mobile HTML5 application for project. With Chris Lowery from University of Buffalo
- Hungry Traveler – Pebble smartwatch application to find best food and potential Groupon options near you. **Winner Best Yahoo API Hack, HackIllinois Spring 2014**
- pConnect – Pebble smartwatch application to aide in home automation

Technical Skills

- Java, C, C++, Javascript, SQL, Hadoop (Pig, Oozie, Hive), Google QueryLang, some Python Programming Experience
- Web programming experience including HTML5, PHP, CSS, Javascript, JQuery, D3, and significant design experience
- Business Intelligence Knowledge – Microstrategy, Tableau
- 4 Years Experience Electrical Design, Build, and Wiring for FIRST Competition Robots
- Microsoft Word, Excel, PowerPoint, Publisher
- Graphic Designer – Photoshop, GIMP, Illustrator

Michigan State University
East Lansing, MI

Fall 2015 – Present

Taught CSE 101, Computing Concepts and Competencies, for multiple semesters. Teaching three sections per semester, covering topics such as the computing environment, Microsoft Excel, and Microsoft Access.

Target Corporation
1000 Nicolette Mall
Minneapolis, MN 55403

Summer 2013

Summer internship in the Enterprise Information Management department, in which I worked with their Business Intelligence (BI) division to design and create a mobile sales BI application through the Microstrategy platform.

Jackson National Life Insurance / Curian Capital
1 Corporate Way
Lansing, MI 48951

Summer 2012

Summer internship covering Java web and server development. Worked extensively with web systems and languages including JSF, JSP, Servlets, SQL, JUnit, JSFUnit, LDAP, and VBScript. Developed many pages and systems.

