

OBJECTIVE: Seeking full-time opportunities to develop state-of-the-art software with an impact-driven team.

EDUCATION

Ann Arbor, MI

UNIVERSITY OF MICHIGAN

- **B.S.E. in Computer Science Engineering.** Senior. **GPA: 3.71** Expected: Dec 2014
- Honors: **Dean's List, University Honors**
- Undergraduate Coursework: Data Structures and Algorithms, Databases; Security, Operating Systems, AI
- Current Coursework: Machine Learning, Game Design

EMPLOYMENT

Software Development Intern

MICROSOFT CORP.

Summer 2014

- **Implemented** a cross-browser, generic **calendar control** using the **MVVM** design pattern for the next release of Microsoft Dynamics AX. (X++, JavaScript, HTML, CSS)
- **Fully integrated** the calendar control for the purpose of itemization in the Expense module to support CRUD operations.
- **Collaborated** with the Timesheets team to integrate the control for the purpose of logging timesheets.

Java Developer, Intern

CME GROUP INC.

Summer 2013

- **Designed, Developed and Unit-Tested a Java UI application** to add new and edit existing trades in the Swap Data Repository using **GWT, Spring** and **Hibernate** frameworks for **quick** and **secure ETL** procedures
- **Implemented GWT RPCs** to asynchronously perform efficient **SCRUD** operations on trades
- **Taught Git SCM** and **GWT** to new employees and consultants

Research Assistant

BROOKS COMPUTATIONAL LAB

2011 – 2012

- Edited **shell scripts on UNIX** to successfully implement different **simulation strategies** for macromolecules
- **Reduced run time** of simulation algorithm from **$O(n)$ to $O(\log n)$** by using a bilateral approach

TECHNICAL EXPERIENCE

Projects

- **BookCapture** (2014). An **Android barcode scanner** that catalogs books in a personal library using a **RESTful architecture**
- **Magic Snake** (2013). A multiplayer snake game that travels between computers on a network
- **eargiroff.com** (2013). **Designed, developed,** and **deployed** website for a featured artist
- **The Magic Piano** (2012). A **microprocessor-based** educational toy on the DE2 board that teaches piano

Skills

Languages	C, C++, Java, X++, JavaScript, HTML, CSS
Development Tools	Visual Studio, Eclipse, Git, SDB
Operating Systems	Unix, Windows
Frameworks	Spring, Hibernate
Testing	JUnit, Google Test
Database	SQL, MongoDB,
Other	MVC, MVVM, OOP, AOP, Agile