Yohei Kanehara

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Objective

To obtain a position in software engineering with tasks of product testing, development, and design

Education

International Academy   *Bloomfield Hills, MI*
- International Baccalaureate Diploma   *May 2011*

University of Michigan – B.S.E. Computer Science   *Ann Arbor, MI*
- GPA: 3.3/4.0   *May 2015*

Experience

<u>Ford Motor Company</u>   *Dearborn, MI*
Java Developer and Database Administrator   *June 2015 – Present*
- Developed and maintained a global scheduling application for new model vehicles
- Designed data models to handle vehicle inventory and build processes
- Streamlined multiple legacy applications into single JAVA solution

<u>Ford Motor Company – Summer Internship</u>   *Dearborn, MI*
iOS Front End Developer and Big Data Analyst   *May 2014 - August 2014*
- Designed the front end of an iOS mobile app for Quick Lane
- Developed and optimized HQL/SQL queries to analyze connected vehicle big data
- Translated big data into visualizations using Tableau

<u>University of Michigan Computer Aided Engineering Network</u>   *Ann Arbor, MI*
Audio Programmer   *Jan. 2014 - Present*
- Programmed audio processing chains for lecture room recording systems
- Responsible for troubleshooting audio problems
- Processed lecture recordings to maximize audio quality

<u>University of Michigan Solar Heliospheric Group</u>   *Ann Arbor, MI*
NASA Audification Research Assistant   *Sept. 2012 - April 2014*
- Developed within MAX/MSP and MATLAB to audify and analyze NASA solar wind data
- Designed methodology to successfully identify coronal mass ejections

Awards and Designations

Ford Connected Vehicle Challenge – 1st Place   *Summer 2014*
Beat Producers of Michigan Club – Founder and President   *Spring 2014 -2015*
UMICH Audio Engineering Society – Webmaster/Executive Board   Winter 2012 – 2013
University Honors Designation   *Fall 2011 - Winter 2013*
Sigma Alpha Lambda - National Leadership and Honors Member   *Fall 2012 – Present*

Hackathons

Mhacks Fall 2013: Audio FX Unit Plug-In
Mhacks Winter 2014: Soundcloud Roulette iOS App

Skills

Languages: English, Japanese (conversational)
Programming Languages: Java, C++, Objective-C, C, SQL, HQL, HTML
Applications: Eclipse, VIM, Tableau, MATLAB, MAX/MSP, Quartus