

Zhang, Xinghai

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Education

University of Michigan

Bachelor of Science in Computer Science Engineering

Relevant Courses: Programming and Introductory Data Structures, Discrete Math

GPA: 3.2/4.0

Ann Arbor, MI

Expected May 2017

The University of Michigan - Shanghai Jiao Tong University Joint Institute

Study Abroad

Shanghai, China

May 2014 – Aug 2014

Experience

STRATEGIST | UNIVERSITY OF MICHIGAN SOLAR CAR TEAM | 2013 – PRESENT

- Built software that optimizes short term driving speed in C#.
- Maintained and documented the MATLAB race simulator.
- Improved the MATLAB race simulator models by including effect of air mass and diffuse radiation.

Activity

KAGGLE COMPETITION | JUN 2015

- Predict the total travel time of taxi trips based on their initial partial trajectories.
- Preprocessing data and building prediction model using Python with package like pandas.
- <https://www.kaggle.com/xinghai>

BANG! | MHACKS V (36 HR HACKTHON) | JAN 2015

- Built a shooting game in Unity using Meta spaceglass and Myo armband.
- <https://github.com/the-xx/Bang>
- <http://challengepost.com/the-xx>

Judga | TechCrunch Disrupt NYC (24 HR HACKTHON) | MAY 2015

- Built the front end of an Outlook Add-in that incorporates travel time when planning appointments.

SKILLS/OTHER

- **Programming Languages:** C++, C#, MATLAB, Python, HTML, CSS, JavaScript, Verilog, Assembly, SAS, SQL
- **Tools:** Excel, Windows Phone, Xilinx, Altera FPGA, Git
- **Language:** Chinese(Bilingual), German(Elementary)
- **Awards:** College of Engineering Need- and Merit-Based Scholarships