301 South Fourth Street, Champaign IL, 61820
(805) 798 – 0216
arahoomam@gmail.com

MAMORU OHARA

EDUCATION

University of Illinois at Urbana Champaign (UIUC)
Bachelor of Science in Computer Science, Minor in Astronomy, Class of 2017
- ❖ Technical GPA: 3.49 ; Cumulative GPA: 3.6
- ❖ Dean's List, Top 20% of graduating class
- ❖ ACM UIUC Chapter SIGBio active member

Pomfret School, Pomfret CT
A college preparatory school, Class of 2013
- ❖ GPA: 3.5   ❖ High Honors Student   ❖ Math Center Tutor 2011-13

Brown University, Providence, RI
Summer 2010
- ❖ Exploring Engineering ; Problem Solving in Biotech Nanotech and Renewable Energy

Johns Hopkins University CTY program
Summer 2008, 2009, and 2010
- ❖ Honor math courses   ❖ Principles of Engineering Design

Languages

C, C++, Java, Javascript, Python, HTML, CSS, R

Research

UIUC PURE: Mining Potential Relations from Biomedical Data
Overall research problem is to build an open entity relation centric extraction and ranking system in the form of a web-scalable search engine platform within the medical domain (focusing on chemicals and diseases) by mining millions of paper abstracts for relations.

WORK HISTORY

University of Illinois Urbana Champaign RPL (Rapid Prototype Lab)
2014-2015
Working for University's Mechanical Engineering department to overhaul their RPL website and create a web app that adds a dynamic costing algorithm.

PROJECTS

Brainbeats
Project for SIGBio (ACM@UIUC) using an Emotiv headset to read in dominant brain waves and play music depending on the mood of the user.

What's On
A Chrome plugin that brings in data from Netflix, Hulu, Amazon Video, as well as local television for a one stop show time checker.

Brain vs Brawn
Uses an EMG to read in muscle movements and an EEG headset to monitor brain activity to pit two players against each other in a game of pong.