University Address
509 Benjamin Street
Ann Arbor, MI 48104

Kevin Yang
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Permanent Address
50291 Livingston Drive
Northville, MI 48168

Education

University of Michigan - Ann Arbor: College of Engineering	GPA: 3.973	Exp. Sep 2015 - Dec 2018

Bachelor of Science in Engineering: Computer Science
William J. Branstrom Freshman Prize, James B. Angell Scholar, Dean's List, University Honors

Technische Universität Berlin		May - Jun 2016

Study Abroad - Robotic Programming, Introduction to German

Experience   *Seeking Internship for Summer 2017*

U of M Office of Development - *Ann Arbor, MI*	Programmer Analyst	Mar - Aug 2016

- Created a full-stack web app using NodeJS and Express with an API for processing publicly available IRS tax data and drawing connections to the alumni database to simplify the search process for gift officer research. Improved fuzzy-search by implementing text-indices. Reduced redundancy and adapted database for future updates by adopting a one-to-many schema. Improved usability by implementing search-completion using AngularJS and Bootstrap typeahead. Developed custom tax data parsing library using the xml2js library.
- Developed script to accurately match Fortune500 company names with existing database records using a custom Natural Language Processing (NLP) based approach
- Developed methods to standardize professional profile data using regular expressions and NLP

Dickey's Barbecue Pit - *Plymouth, MI*	Team Member	Feb - Aug 2015

- Fulfilled cashier duties and maintained family-like atmosphere of restaurant through customer service

Projects

Study Abroad: Robotic Programming	C++, Python	May - Jun 2016

- Implemented a PID-controller in a line-following program for an Mbed m3pi robot
- Implemented Nelder-Mead algorithm to find optimal parameters for robot motor adjustment controller, which reduced the robot's lap-time by 18%
- Designed and implemented a keyboard controller using Bluetooth and the Pygame library in Python

Remotely Operated Vehicle (ROV)	Design & Construction Lead	Mar - April 2016

- Collaborated with teammates to design, construct, and test a ROV capable of completing tasks underwater
- Managed team by assigning tasks, outlining project schedule, and overseeing progress to meet deadlines

Organizations

Michigan Marching Band	Alto Saxophone Section	Aug 2015 - Present
MPowered Entrepreneurship	Creative & Promotional Services	Sep 2015 - Jan 2016

- Coordinated a 36 hour filmmaking competition with over 100 participants
- Halved food expenditures by negotiating discounts and sponsorships with local restaurants

National Honor Society - *Northville, MI*	President	Sep 2014 - Jun 2015

- Organized community service events for a 350 member organization totaling over 10,0000 hours annually
- Led fundraiser of $8,500 worth in canned food items for Northville Civic Concern
- Organized and obtained sponsorships for a 5K charity run/walk event

Relevant Course Work

Completed: Data Structures & Algorithms, Discrete Math, Linear Algebra
In progress: Web Databases, Computer Organization, Intro to Theory of Computation

Skills

Languages: C++, Python, HTML, CSS, Javascript	Frameworks: AngularJS, Node.js, Express, Bootstrap
Databases: MongoDB	Tools: Git, Regex
Media: Adobe Photoshop Lightroom, Sony Vegas Pro	Other: Chinese (speaking and listening)