Kevin Li

Current Address

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Permanent Address

5391 North Shore Place

Mason, OH 45040

Education

Washington University in St. Louis   August 2015 – Present

   Bachelor's/Master's in Computer Science (Expected Graduation: May 2020)
   Bachelor of Science Candidate in Biomedical Engineering, Minor in Computer Science (Expected Graduation: May 2019)
   Cumulative GPA: 3.70/4.00; Dean's List in School of Engineering and Applied Science (5 Semesters)

Relevant Coursework
- Computer Science: Programming fundamentals, Data Structures and Algorithms, Web Design and Rapid Prototypes, Objected-Oriented Software Development, IOS App Development
- Biomedical Concentration: Biomechanics, Quantitative Physiology, Thermodynamics, Bioengineering Transport
- Mathematics: Differential Equations, Matrix Algebra, Statistics, Programming

Technical Skills
- Languages: Java, Python, HTML/CSS, JavaScript, PHP, MATLAB, C++ (beginner), Swift (beginner)
- Tools/Frameworks: Git, React, NodeJS, MySQL, Tableau, Microsoft Office

Professional Experience

Clinical Research Intern   May 2018 – Present

- Conducted research in the lab of Dr. Randall Bateman, Department of Neurology
- Optimized and automated (reduced time by 50%) a quantifiable biomarker blood test for early-onset Alzheimer's detection
- Analyzed and processed large sets of data to automate workflow for high-throughput sampling
- Proficient in immunoprecipitation, mass spectrometry, and biostatistical analysis

Undergraduate Research Assistant   August 2016 – December 2017

- Conducted research in the lab of Dr. Tim Peterson, Division of Bone and Mineral Diseases
- One of fifty undergraduate researchers awarded the BioSURF Undergraduate Research Fellowship (Summer 2017)
- Worked with natural metabolites to induce stem cell characteristics in human adult tissue cells (with focus on aging)
- Proficient in cell culture, PCR, gel electrophoresis, high-throughput transfection, and tissue visualization software

Sling Health Incubator (Formerly Idea labs)   September 2016 – April 2017

- Worked with a team of six engineering students to research and design a biomedical prototype for stroke rehabilitation
- Constructed device to aid hand movement and muscle memory in stroke patients
- Conducted market research, pitched to investors, and showcased product to over 300 community members

Technical Experience

Projects
- Multi-User Calendar (2018): Interactive calendar web application that allows registered users to add and share events, using a MySQL database of user event info and AJAX server-side scripts to save and retrieve information (JavaScript)
- Weather Widget (2018): User-friendly web application that uses AJAX requests to Yahoo weather server to display current forecast information such as temperature and humidity (JavaScript)
- Baseball Stat Scraper (2018): Python script that retrieves MLB season statistics from a text file and uses regular expression matching to calculate and output ranks of players according to their season batting averages (Python)

Additional Experience and Leadership

Teaching Assistant (TA): One of eight selected to be an Assistant to the Instructor for Quantitative Physiology I (2018)
JCUBES Exec Board: Organized biweekly meetings to bring faculty and student speakers for biomedical research
WuCT Committee: Coordinated with chemistry department to write chemistry exams for annual high school competition
Competitive Chess: Achieved an expert level USCF rating by competing in state and national competitions