**Kevin Li**

**Current Address**  *kevin.k.li@wustl.edu* **Permanent Address**

6170 Waterman Blvd *513-675-4995* 5391 North Shore Place

St. Louis, MO 63112 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