ALWIN HUI

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Education

THE JOHNS HOPKINS UNIVERSITY   Baltimore, MD 21218

Master's of Science (M.S.E.) in Computer Science (2016-2017) [concurrent M.S.E./B.S. program]

Bachelor of Science (B.S.) in Biomedical Engineering (2013-2016)

  Minors in Entrepreneurship & Management, Computer Science, and Applied Mathematics & Statistics

Test Scores: SAT (2390 composite: 800 Math, 800 Critical Reading, 790 Writing), 5/5 on 20 and 4/5 on 1 additional

  Advanced Placement exams (including Calculus AB and BC, Statistics, Macroeconomics, Microeconomics)

Relevant Coursework: Databases, Algorithms I, Parallel Programming, Data Structures, Intermediate Programming,

  Introduction to Scientific Computing using Python, MATLAB, and R, Introduction to R

Spring 2016 Courses: Natural Language Processing, Ethical Hacking, Computer Networks, Algorithmic Game Theory

Work Experience

PROSCIA, INC.   September 2013 – present

Co-Founder, Head of Global Business Development (Strategy and Marketing), Director of Legal & Intellectual Property Research, Software Designer, Web Designer

➢ Founded early stage startup biotechnology company currently developing cloud-based technologies in digital pathology and revolutionizing the digital pathology industry

➢ Developed the global business development strategy as it expands to emerging markets around the world such as China and Europe, with our technology currently used in 252 cities in 38 countries worldwide

➢ Assisted on the day-to-day involvement with clients and partners around the United States, including in strategic discussions regarding their needs and goals

➢ Maintained competitive position in the market and mitigating legal risk, boosting external company valuation to $4M+

➢ Received 1st place in Florida Healthcare Innovation Competition and featured in 8 major magazines and publications

➢ Developed the Tissue Microarray (TMA) algorithm for integration of full-scale microarrays

INFORMATION TECHNOLOGY @ JHU   September 2015 – present

Salesforce Programmer, FacultyForce Division

➢ Developed programs using FacultyForce and MySQL to develop internal database of Johns Hopkins University faculty and affiliates to streamline collaboration and cooperation among the ten different school divisions

➢ Mapped data from multiple databases (public and private) to our own internal database to increase total amount of data available for analysis

TECHNOLOGY VENTURES AT JOHNS HOPKINS   April 2015 – present

Business/Technology Analyst, Johns Hopkins University Commercialization Academy

➢ Provided business and technological assistance and expertise to Johns Hopkins University faculty, students, and other community members by helping develop new discoveries and inventions into products and services

> Assisted inventors and other entrepreneurs with the necessary tools and knowledge to protect and license their innovations, as well as fostered collaboration with business partners in the nearby community and health IT market space specializing in launching new inventions

> Analyzed dozens of inventions, with four of them currently going through full patenting and commercialization

JOHNS HOPKINS BME DESIGN TEAM   April 2015 – present
Member of Design Team 9

> Developed a cryotherapy and cryoablation treatment program to increase accessibility and effectiveness of breast cancer treatment for rural women in South Africa

> Received Best Project Award, Global Surgery Design Challenge 2015

SAPIENT DISCOVERY, LLC.   July 2012 – February 2013
Computer Programmer, Intern

> Developed computer programs to assist in the search and discovery of proteins through publicly available databases

OPTIMER PHARMACEUTICALS, INC.   June 2011 – August 2011
Summer Intern, Quality Assurance Department

> Worked extensively with FDA regulations and policies and contributed to multiple successful regulatory inspections

> Reported directly to the VP of Quality Assurance, completing projects in 2 months which typically required 6 months

Leadership

> President, Psi Class (2014) and Secretary of Executive Board (2014 – present), Alpha Kappa Psi, Rho Psi Chapter (professional co-ed business fraternity)

> Member of Executive Board (2015-present) and co-captain of competing team (2015-present) for Hopkins Mock Trial

> President and member of Executive Board of Hopkins Sport Taekwondo (2013-2014)

> Member of Woodrow Wilson Debate Council, Model United Nations, Johns Hopkins Model United Nation Conference

> Deputy Commander for entire high school's Air Force Junior Reserve Officers' Training Corps (JROTC) unit and Brigade J-1 Officer (Personnel Officer) for San Diego Unified School District Joint Brigade Junior ROTC staff

> Piano (2000 – present): Awarded internationally, certified by British Royal School of Music and Music Teachers' Association of California (Advanced Level with distinction)

Skills

> Adept in Java, Python, C, C++, Matlab, and R, and familiar with Salesforce, MySQL, OpenMP, MPI, CUDA, x86 and MIPS architecture, and the Linux (Ubuntu) operating system

> Fluent in English, Mandarin Chinese, and Cantonese Chinese, with limited proficiency in Spanish

Awards and Recognition

> HopHacks (Johns Hopkins hackathon) Fall 2015 Winner of "Most Innovative Hack" and "Best Pebble Hack", Honorable Mention for "Best Use of Open Data" for "SafeRock" hack (use of Google Maps API, Pebble API, and Baltimore City OpenData to find crime hotspots of Baltimore and help users be safer and more cautious)

> $10,000 Kyoto Scholarship Prize for Advanced Technology recipient (one of six awarded worldwide)

> National Merit Finalist, Presidential Scholars Program Semifinalist, National Honors Society Inductee