Summer Wu

summer.wu@yale.edu
+1(224)544-9068
sumwu.me

Education

Yale University, New Haven CT **2014-Present**
Bachelor of Science in Computer Science, May 2018 (Expected); GPA 3.67/4.0

- *Relevant Coursework*: Data Structures and Programming Techniques, Mathematical Tools for Computer Science, Engineering Innovation and Design, Perspectives in Science and Engineering, Calculus: Functions of Several Variables, Introduction to Systems Programming and Computer Organization, Probability and Statistics

Illinois Mathematics and Science Academy, Aurora IL **2010-2013**
Diploma, June 2013; Skipped 9th grade; GPA 3.97/4.0

Experience

Cs50 Teaching Fellow, Yale **February 2015 - present**
Lead a weekly section of 18 students, hold office hours, field questions via email and the course's discussion board, grade problem sets and projects, host events including "Puzzle Day", a hackathon, and a project fair

Engineering Practicum Intern, Google **May 2015 – August 2015**
Researched bottlenecks for the Play Store Android app on legacy (2G) connections. Implemented a "tap to load screenshot" feature that reduced the amount of data being downloaded for each app page by > 50%. An experiment affecting 1.2 million users on 2G and 3G networks in developing countries has been scheduled.

Intern, Probitas Partners **June - July 2014**
Conducted research on and analysis of private equity industry trends and company performance. Constructed a visual model of China's venture capital industry. Wrote a desktop application to expedite data collection and analysis for alternative assets investment opportunities.

Software Engineering Intern, AVOS Systems, Inc. **September 2013 - March 2014**
Developed and launched "Dropdot," an educational connect-the-dots Android game for children, in 5 months. Marketing effort resulted in being interviewed by Android Central and featured by Google in their app store. Dropdot, which is on Google Play, had 28,000 downloads in 164 countries, 2 months after launch.

Student Researcher, Northwestern University **August 2011 - May 2013**
Developed a nanostructure-based, optimized and targeted molecular imaging system to diagnose Alzheimer's disease. Researched magnetic nanostructures to determine the correlation between the geometry and composition of a nanorod to its applied magnetic field. Coauthored a paper published in Nature.

Extracurricular Activities

Developer, Miscellaneous Hackathons **October 2014 - present**
Share a #Hack with Coke (Emory)- Built Heartbeat, an Android app that plays music based on pace of workout
YHack 2014 (Yale)- Wrote a meteor.js and mongodb backend for Habitar, a virtual avatar for developing habits
PennApps Winter 2015- Developed an AI music composition tool with Myo and Oculus Rift integration
Capital One Summit for Software Engineers 2016- Integrated OCR into a receipt-splitting app built on Android

Awards/Publications/Skills

Awards: Share a #Hack with Coke Grand Prize, LinkedIn Festival 1st Place, Capital One Software Engineering Summit Hackathon Winner, PennApps Top 10, "Best use of mongoDB" at YHack, Comcast Leaders and Achievers Scholarship, International High School Mathematical Contest in Modeling- Outstanding Rank, National Merit Scholar
Publications: Nature Nanotechnology, Huffington Post, Digital Commons @IMSA, Yale Herald
Technical Skills: Android App Development, Mathematical Modeling, Web Development