Summer Wu

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Education

Yale University, New Haven CT **2014-Present**
Bachelor of Science in Computer Science, May 2018 (Expected); GPA 3.63/4.0

- *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; *Current*- Introduction to Systems Programming and Computer Organization, Probability and Statistics, University Physics

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

Experience

Engineering Practicum Intern, Google **May 2015 - Present**
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

Teaching Fellow, cs50 **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

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

Awards/Publications/Skills

Awards: Share a #Hack with Coke Grand Prize, LinkedIn Festival 1st Place, 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