

Education

Yale University, New Haven CT

2014-Present

Bachelor of Science in Computer Science, May 2018 (Expected); GPA 3.71/4.0

- *Relevant Coursework:* Design and Analysis of Algorithms, Natural Language Processing, Data Structures and Programming Techniques, Introduction to Systems Programming and Computer Organization, Engineering Innovation and Design, Calculus: Functions of Several Variables, Linear Algebra, Probability and Statistics

Aquincum Institute of Technology, Budapest, Hungary

January 2016-May 2016

Spring Study Abroad; GPA 4.0/4.0

- *Relevant Coursework:* Data Mining, Computer Graphics, Computer Vision, UI Design

Illinois Mathematics and Science Academy, Aurora IL

2010-2013

Diploma, June 2013; Skipped 9th grade; GPA 3.97/4.0

Experience

Head CS50 Teaching Fellow, Yale University

March 2016 – present

CS50 Teaching Fellow, Yale University

February 2015 – March 2016

Lead a weekly section of 12 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. Additional responsibilities as Head TF include team-building, planning meetings, and directing course strategy.

Summer Analyst, Goldman Sachs

June 2016 – August 2016

Worked as a strategist alongside the alternative investments and manager selection investment team to develop web-based tools for manager analytics. Built a model for predicting future manager performance.

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.

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

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

OpenHacks- Built a Facebook Messenger Bot that mediates disagreements between two parties

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, 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