

Alexander H. Zhong

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EDUCATION

Carnegie Mellon University, Pittsburgh, PA

May 2022

Bachelor of Science in Mathematical Sciences with an additional major in Computer Science

GPA: 3.80/4.0, High Honors Dean's List

Relevant Coursework: Matrix Theory, Mathematical Concepts and Proofs, Principles of Computing, Principles of Imperative Computation, Functional Programming, Great Ideas in Theoretical Computer Science, Probability Theory

RESEARCH & WORK EXPERIENCE

Network Automation Intern – NetBrain Technologies Inc.

May 2019 – August 2019

- Learned about network topology
- Researched and implemented third-party integrations with NetBrain platform
- Tested NetBrain RESTful APIs
- Built python parsers on the NetBrain platform
- Worked with NetBrain's MongoDB

SI0t – Android Studio Project

May 2019 – Present

- “SI0t” allows users to schedule events based on user preferences and easily plan activities with other users
- Implements OpenWeatherMap API and Google Maps API to integrate weather and driving distances

HackCMU

September 2018

- Built project titled “TrailTrak” using Android Studio and won 2nd place for the Bloomberg Prize
- “TrailTrak” is an app that implements Google Maps API to allow hikers to alert others to hazards they encounter in the area

Research Intern - Harvard Medical School

February 2017 – August 2017

- Engineered and functionally studied multiple forms of therapeutic pancreatic enzyme CD39L3 in a research project
- Wrote and published a first-authored paper in “Purinergic Signaling”, and presented research findings to Harvard Medical School faculty
- Awarded “Regeneron Science Talent Search National Semifinalist”
- Analyzed PNPLA3 (gene) transcription using new RNA detecting software
- Programmed website for calculating BEAAA score using html and coauthored paper published in “Gastroenterology” journal

Tutor - Russian School of Mathematics

September 2015 – April 2016

- Explained complex concepts to middle school and high school students

Intern – Boston Biomedical Inc.

July 2014 – August 2015

- Learned general biotechnology lab techniques

TECHNICAL SKILLS

Computer: Java, Python, C, SML, Javascript, blender, Android Studio

Language: Proficient in French and Mandarin

EXTRACURRICULAR ACTIVITIES

Intramural Basketball Team, Member

January 2019 – Present

Business Technology Group, Web Dev Committee and Outreach Director

January 2019 – Present

Asian Student Association, Member

January 2019 – Present

Undergraduate Entrepreneurship Association, Growth and Technology Committee

September 2019 – Present