

AARON TANG

Passionate software developer proven to be a quick learner in the computer science and life science fields.



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aaronwtang



Agggtron

LANGUAGE PROFICIENCY

HTML/CSS



Javascript



Python



C/C++



C#



SQL



Java



EDUCATION

University of Chicago

Sep 2018 — Jun 2019

Master of Science: Computer Science

GPA: 3.93/4.0

University of California, Berkeley

Aug 2012 — May 2016

Bachelor of Arts: Molecular & Cellular Biology GPA: 3.67/4.0

SELECTED PROJECTS

Libraries for Medical Device

May 2019 — Present

University of Chicago

Skills: C | Python | C#

- With Prof. Pedro Lopes, created Python and C# extensions of C library, for medical device used in electrical muscle stimulation
- Integrated library with Unity3D engine for lab research projects
- Maintaining public webpage with builds and documentation for external users (including professors from other universities)

Toontown Rewritten

May 2018 — Present

Online Volunteer

Skills: Python | MongoDB

- On the development team for a multiplayer online game (MMO)
- Working with other software developers on a large codebase to: design architecture, perform bugfixes and implement mechanics

Distributed Key-Value Store

May 2019 — Jun 2019

University of Chicago

Skills: Python

- Team project to implement a fault-tolerant distributed system
- Used protocols from Raft algorithm (leader election, log replication) to develop system that maintains consistency and availability

WORK EXPERIENCE

Research Technician

May 2016 — Jun 2018

California Institute of Technology (Chemistry Department)

- With Prof. Andre Hoelz, designed and executed biochemical and structural protein experiments, collaborating on research projects with graduate students and postdoctoral researchers
- Managed laboratory reagents for entire research group every day

Undergraduate Researcher

Aug 2014 — May 2016

University of California, Berkeley (Chemistry Department)

- With Prof. John Kuriyan, assisted in protein biochemistry research by purifying and characterizing transmembrane proteins

Protein Chemistry Intern

Mar 2015 — Aug 2015

Plexxikon, Inc. (Pharmaceutical Company in Berkeley, CA)

- Supported drug development pipeline by expressing and purifying protein for crystallography and assay/screening groups