AARON TANG

Passionate software developer with track record of learning quickly from the biochemistry and computer science fields. Seeking to apply skills from [insert project/experience here] for position with [insert company position here].

✉

aaronwt@berkeley.edu
2563 Decca Lane,
Walnut Creek, CA 94597

📞 925-818-8263   🌐 aaronwtang.com

(in) aaronwtang   (github) Agggron

LANGUAGES

HTML/CSS

Javascript

Python

C/C++

C#

SQL

Java

EDUCATION

University of Chicago   *Sep 2018 — Jun 2019*
Master of Science — Computer Science   **(3.93/4.0)**

University of California, Berkeley   *Aug 2012 — May 2016*
Bachelor of Arts — Molecular & Cellular Biology   **(3.67/4.0)**

SELECTED PROJECTS

Libraries for Medical Device   *May 2019 — Present*
University of Chicago   Used: 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   Used: 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   Used: 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. (Berkeley, CA)
- Supported drug development pipeline by expressing and purifying protein for crystallography and assay/screening groups