

William N. Cunningham

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Boston, MA 02120

Seattle, WA 98121

Available: May-December 2020

Education:

Northeastern University: *Boston, MA.* (2017 - 2022)

- Khoury College of Computer Sciences
- Pursuing a **Bachelor of Science in Computer Science and Cognitive Psychology**, Spring 2022
- Related Courses: *Object Oriented Design, Algorithms and Data, Database Design, Logic and Computation, Fundamentals of Computer Science, Discrete Structures, Statistics*
- Honors: Dean's List | GPA: 3.445/4.0

The Overlake School: *Redmond, WA.* (2014 - 2017)

- Related Courses: *Advanced Placement (AP) Computer Science, Post-AP Computer Science: App Development, Post-AP Computer Science: Data Structures, Intro to Python*

Computer Knowledge:

Languages: Java, Python (Matplotlib & Pandas), Android (Java based) App Development, Scheme, ACL2s

Software: Amazon AWS (EC2), Github, Git, IntelliJ, Android Studio, Eclipse, MySQL Workbench, Terminal

Database: mySQL, SQLite | **Systems:** Windows (XP - 10), MAC OS | **Productivity:** Slack, Atom, Sublime

Projects: MVC Animation Editor in Java using Java Swing and Git, Voice memo Android app using SQLite,

Website Building, Various simple video games in Python using PyCharm, APCS Tutors: worked with a small team to develop 6 youtube videos teaching AP Computer Science concepts, Familiarity with APIs

Relevant Work Experience:

Computational Scientists & Data Analyst: *Cambridge, MA.*

Flagship Labs, 63 Inc. - Flagship Pioneering.

- Collaborated with a team of 8 researchers investigating novel RNA therapeutics through computation alongside wetlab experimentation. Developed proof of concept as the company worked towards funding.
- Utilized machine learning, statistics, and data visualization to analyze important scientific findings.
- Helped design the company's internal scientific database and larger scale information architecture.

Khoury Teaching Scholar & Data Science TA: *Boston, MA.* (2017 - 2019)

Northeastern University - Khoury College of Computer and Information Sciences.

- Acted as a teaching assistant helping solidify Python concepts with students during office hours
- Facilitated weekly lab for 40+ students, answered questions, fixed computer issues and bugs
- Selected in the inaugural cohort of Khoury College Teaching Scholars
- Gained extra training and workshops as a TA. Presenting a teaching sample capstone in 2019

Private Tutor for Intro CS classes: *Boston, MA.* (2018 - Present)

- Tutored multiple students in *Fundamentals of Computer Science 1 & 2* at Northeastern University
- Mentored younger students on how to best design data definitions, write clean code, and outlined large scale design principles allowing for more efficient development processes

Leadership & Interests:

- Northeastern Beta Theta Pi: Recruitment Chairman: Planned and executed 12 events for 100+ people.
- High School Programming Club: Founder and President | Graduation Speaker | Spirit Captain
- 2-Year Varsity Soccer Captain | Custom PC building | Data Visualization | Hackathons | Storytelling

References available upon request