

COLLIN D. MURCH

Northwestern University | 206.359.0066 | collinmurch.com | collin@murch.net

EDUCATION

- Studying Computer Science at Northwestern University, McCormick Engineering (GPA 3.72) Ongoing
- Institute of Electrical and Electronics Engineers (IEEE NU), Student Chapter 2019-2022
- University Preparatory Academy, Seattle WA, graduated June 2019 (GPA 3.93) 2014-2019
- National Honor Society, Société Honoraire de Français 2017-2019
- Designed student-led high school course on Computer Security 2018

WORK EXPERIENCE

- Software Development Engineer Intern, Zillow 2022
 - Enhanced customer experience (React), implemented new analytics system (JS) 2022
 - Developed backend APIs (Python), containerized build/deploy pipeline (Docker) 2022
- Software Development Engineer Intern, AI Dynamics 2020-2021
 - Developed storage and query APIs, implemented React frontend features 2021
 - Improved DevOps, testing tools, and installation scripts, helped win major account 2020
- Tennis Instructor, Tennis Center Sandpoint – United States Tennis Association coach 2015-2019
- Sailing Instructor, Sail Sandpoint -- including CPR/First Aid and US Sailing certifications 2017-2019
- Computer programming tutor – introductory coding and general computer use 2015-2018
- Sports concessions employee, University Prep 2016-2018

TECHNOLOGY SKILLS AND INTERESTS

- Languages: React, Python, Javascript, Node.js, Typescript, C#, Git, C++, C, Unix Shell, HTML/CSS Ongoing
- Networking, web development, Raspberry Pi/Arduino IOT programming, Latex Ongoing
- Machine learning, Amazon Web Services, Azure, cyber security exercises (CTF's) Ongoing
- Wrote and published arcade game to iOS App Store ("Astro Brawl": Unity C#) 4/5 stars 2013
- Numerous smaller coding projects (github.com/collinmurch) Ongoing

OTHER INTERESTS & MISC

- Delta Tau Delta Fraternity, pledged January 2020, elected chapter Treasurer
- Northwestern University Club Tennis, joined September 2019
- Developer for the Xenah startup (founded in the Northwestern entrepreneurship center)
 - Connects university students who have product ideas with student developers
- Drawing/Illustration, Music, Puzzles, Swimming, Longboarding, Ultimate Frisbee
- Lived in France, 2010-2011 (CIPEC International School, Luynes, 4th grade)
- Sail Sand Point Highschool Sailing Team

CAREER OBJECTIVE

- Seeking front-end or back-end software engineering career opportunities to incorporate my curiosity, exceptional interpersonal skills, and creative problem-solving skills to build fantastic products