

EDUCATION

Seattle, WA	University of Washington	Fall 2016 – Spring 2019
3.91 GPA (Phi Beta Kappa, Dean's List)		
<ul style="list-style-type: none">• B.S. in Computer Science (direct admission) and Statistics (double major) with Minor in Mathematics• Current Courses: Systems Programming (333); Compiler Construction (401); Real Analysis; Inferential Statistics• Past Coursework: Database Systems (544m); Theory of Computation (431); Data Structures + Parallelism (332); Software Design and Implementation (331); Programming Languages (341); Hardware/Software Interface (351); Foundations of Computing (311 + 312); Data Management (344); (CSE course numbers)		

EXPERIENCE

Executive Officer	Association for Computing Machinery	September 2016 – Present
<ul style="list-style-type: none">• Planning CSE events, such as interview prep, orientation, Fall Fest, Winter Ball, Spring BBQ• Coordinating and advertising industrial affiliate sponsored events such as recruiting dinners and office hours		

Teaching Assistant	University of Washington	March 2017 – August 2017
<ul style="list-style-type: none">• Head Grader for Software Design and Implementation (CSE 331)• Taught a section of 20-25 students and answered content-related questions on forums• Graded theory-based code reasoning and project-based assignments• Held office hours for homework help and course questions		

Allen School Ambassador	Paul G. Allen School of CSE	Fall 2016 – Present
<ul style="list-style-type: none">• Representing Allen School in K-12 outreach and recruitment efforts• Creating and managing a MySQL/NodeJS database for computer science education in the Seattle area• Developing a web tool for availability and tour registration• Coordinating and managing activities and volunteers for outreach events such as Engineering Discovery Days, Computing Open House, Admitted Student Previews, and Weekly Info Sessions, and tours		

Web Developer	City of Sammamish	Fall 2015
<ul style="list-style-type: none">• Used HTML, CSS, JavaScript, and Adobe Dreamweaver for the Parks and Recreation Department's Geoplateau project, a platform for people to learn about local parks and DIY conservation projects		

High-School Intern	Concur	Fall 2014
<ul style="list-style-type: none">• Developed a GIS-based app using Android Studio as a team using Java to present to Concur executives• First place in Concur's app development challenge		

Programming Instructor	TechVenture Kids	Fall 2013 – Summer 2016
<ul style="list-style-type: none">• Taught K-12 students programming with Scratch and Visual JavaScript in after-school and summer-camp programs		

PROJECTS

- **SimpleDB** (March 2018): Implemented a relational database management system in Java that handles queries (joins, aggregate functions, selections, etc.), ACID transactions, and a steal/no-force crash recovery (with a write-ahead redo/undo log + non-quiescent checkpoints). It can run in parallel on a single machine or as a distributed system across multiple physical machines using Apache Mina.
- **Spam Filter** (October 2017): Implemented a Naïve Bayes Classifier with Python that trains using a subset of the Enron Corpus as pre-labeled data and predicts the classification of unseen emails.
- **CalcuSpeak** (DubHacks 2017): Created a mathematics tool for the visually impaired with Python, JavaScript, Bing Speech API, Wolfram Alpha Full Results API, and Google Cloud Speech API.

RESEARCH EXPERIENCE

Undergraduate Assistant	Taskar Center for Accessible Technology
<ul style="list-style-type: none">• Worked with Dr. Anat Caspi and Nick Bolton to develop AccessMaps, a crowd-sourced tool relating to accessibility navigation• Developed a tutorial module for the OpenSidewalks Project in Unity with the STEM Education Platform Team	

LANGUAGES AND TECHNOLOGIES

Advanced	Intermediate	Familiar
Java; SQL; LaTeX	C; R; Python; Git; Linux; HTML	JavaScript; x86-64