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| armaan1@cs.uw.edu  (425) 505-7181 | **Armaan Sood** | | | armaansood.com  linkedin.com/in/armaansood |
| **Education** | | | | |
| **Seattle, WA** | **University of Washington** | | | Fall 2016 – Spring 2020 |
| 3.91 GPA (Phi Beta Kappa, Dean’s List)   * B.S. in Computer Science (direct admission) and Mathematics (double major) * **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** |
| * 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** |
| * 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** |
| * 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** |
| * 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** |
| * 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 | | | | |
| **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** | | **UW Database Group** | **Spring 2018 – Present** | |
| * Developing a cost model for LightDB, a database management system for virtual and augmented reality. | | | | |
| **Undergraduate Assistant** | | **Taskar Center for Accessible Technology** | **Autumn 2016 – Winter 2017** | |
| * Worked with Dr. Anat Caspi and Nick Bolton to Developed a tutorial module for the OpenSidewalks Project in Unity. | | | | |
| **Languages and Technologies** | | | | |
| **Advanced**  Java; SQL; LaTeX | | **Intermediate**  C; C++; R; Python; Git; Linux | **Familiar**  JavaScript; x86-64 | |