COLTON WILLIAMS

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Education

2013-2017 **TEXAS A&M UNIVERSITY, COLLEGE OF SCIENCE, College Station, Texas**
B. S. in Applied Mathematical Sciences, with emphasis in Computer Science. Minor in Computer Science in the College of Engineering

Awards and Recognition

2013-current **PRESIDENT'S ENDOWED SCHOLARSHIP**
Awarded by Texas A&M University. One of the most prestigious academic scholarships available at the institution.

2015 Dean's Honor Roll
Awarded by Texas A&M to students who achieve a semesterly GPR of 3.75 or higher.

2016 Inducted into Pi Mu Epsilon
Pi Mu Epsilon is the national mathematics honor society of the United States.

2012-2016 National Merit Scholarship
Awarded by the National Merit Corporation for academic and extracurricular excellence.

Work Experience

2017-current **SDE I, Amazon.com Global Exports and Expansion**
Engineer software to interface between accounting teams and sales teams.

2015-2017 Teaching Assistant, Texas A&M Mathematics Dept.
Adminster recitation for 3-dimensional calculus under several professors.

Skills

Programming
Experienced in several languages and archetypes (object-oriented and functional), including C/C#/C++, Java, Python, Haskell, and LaTeX. Proficient in Git, MATLAB, SQL, and JMP.

Microsoft Office
Proficient in Word, PowerPoint, and experienced in Excel in particular.

Analytics
Experienced in real and numerical analysis, data and trend collection, and scientific programming.

Significant Coursework

Design and Analysis of Algorithms
A senior-level computer science course for designing programs and algorithms with time and space complexities as low as possible.

Discrete Structural Computing
A computer science course which provides the backbone for good programming practices.

Numerical Methods
A senior-level applied mathematics course which summarizes various methods for interpolating and extrapolating with data sets.

Communications Cryptography
A senior-level cryptography and cybersecurity course designed to teach students various practices and principles of encryption and decryption.

Mathematical Modelling of Ocean Climates
An optional senior-level class for students in applied mathematics to gain real-world experience with data collection, extrapolation, and prediction through the modelling of Earth's ocean climates and currents.