

# Caleb Hill

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## Education

### BS, Statistics

Brigham Young University

April 2021

Provo, Utah

- Minors: Computer Science, Mathematics, Non-profit Management, Music
- Relevant Coursework:
  - Linear and Nonlinear Analysis
  - Computation and Optimization
  - Mathematical Programming
  - Computer Systems
  - Discrete Mathematics
  - Advanced Programming Concepts
  - Analysis of Variance
  - Theory of Analysis
  - Multivariable Calculus
  - Principles of Statistics
  - Data Structures
  - Competitive Coding
  - Differential Equations
- Relevant coursework during the 2020-2021 school year:
  - R Programming
  - Probability and Inference
  - SAS Base Programming Skills
  - Applied R Programming
  - Introduction to Regression
  - Applied SAS Programming
- Coding Skills:
  - Proficient: C++, Java (JSON), Python (Numpy, Matplotlib, Sympy)
  - Familiar: SQL, JavaScript, HTML, LaTeX, Unix Shell, R

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## Experience

### CS Instructor and Mathematics Curriculum Developer (Internship)

Juni Learning

February 2020 – Present

San Francisco, CA

- Teach 30 individual students Python, Java, and Scratch through online video chat
- Create individualized lesson plans based on student needs
- Assess student progress through established curriculum and adjust as needed
- Develop mathematics curriculum for high school students

### Calculus Teaching Assistant

Brigham Young University – Mathematics Department

September 2019 – December 2019

Provo, UT

- Taught sections of 40 students new material twice a week
- Tutored students one on one or in small groups to ensure understanding of course work
- Evaluated students by grading exams

### Data Analyst

BYU Nonprofit Management Student Association Board

January 2019 – April 2019

Provo, UT

- Optimized data collection procedures and generated monthly reports
- Analyzed and managed data using advanced features in Microsoft Excel
- Interpreted and presented data with conclusions to improve strategies and management
- Advised solutions for data storage, mining, and cleansing

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## Relevant Projects

- Building a classroom library android app (Java)
- Building a family tree server and android client (Java)
- Coded programs to solve 17 Project Euler problems (C++ and Python)