SEBASTIAN COATES

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🔗 SebastianCoat.es

@ Sebastian.Coates@tufts.edu
📍 San Francisco, CA | Boston, MA

WORK EXPERIENCE

Summer Tech Analyst

Bank of America

📅 06/2017 - 08/2017 📍 Charlotte, NC

Multinational bank based in US.

- Effective research and creativity allowed for implementation of various innovation projects related to blockchain and machine learning tech.
- Participated in Agile training.

Math TA | CS Teacher

Aim High for High School

📅 06/2016 - 07/2016 📍 San Rafael, CA

Summer enrichment program for middle school students from under-represented backgrounds in the Bay Area.

- Teaching ability and applied practical understanding of CS enabled beginning programmers to create original Scratch games after 10 classes.

Intern | Tutor

Next Generation Scholars

📅 05/2016 - 06/2016 📍 San Rafael, CA

College accessibility/preparedness program for middle and high school students from under-represented backgrounds.

- I conducted a data analysis project of the attitudes of students and faculty at Marin Academy relating to race and education.
- Analyzing the climate of education technology, I created a plan to develop more equitable technology.

PROJECTS & RESEARCH

Graph Isomorphic Encryption

- Successfully applied mathematical theory of graph isomorphism to develop new and effective method for data encryption.

Robotics Programming Research

📅 09/2016 - 10/2016 📍 Medford, MA

Center for Engineering Education and Outreach at Tufts

- Using data analysis skills, assessed beginning programmers' projects to determine best interface design for new lego robotics programming language.

LANGUAGES

Java — Proficient

C/C++ — Proficient

Python, Tensorflow — Proficient

Go (golang) — Knowledgeable

Solidity — Knowledgeable

Javascript, HTML, CSS — Intermediate

EDUCATION

B.S. Computer Science, B.A. Applied Math

Tufts University (School of Engineering)

GPA **3.96** / 4.00

📅 09/2016 - ongoing

High School Diploma

Marin Academy

GPA **3.96** / 4.00

📅 08/2012 - 05/2016