

David Bommersbach

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EDUCATION

The University of Texas at Austin, Austin, TX

*Bachelor of Science in **Computer Science** (Dec 2019) and Bachelor of Science in **Mathematics** (May 2020)* GPA 3.3

Relevant Courses: IOS Mobile Development, Advanced Data Mining, Modern Web Applications, Data Structures, Operating Systems, Software Engineering, AI, Cryptography, Network Security and Privacy, etc

SKILLS

- Proficient in Python (Numpy, Pandas, Scikit-learn, Scipy, Matplotlib, Jupyter Notebook), Java and C
- Swift/Xcode
- Full Stack Development: React, Javascript, REST api, ETL/Hibernate, Django
- Machine Learning: classification, clustering, association analysis, linear/nonlinear regression
- Familiar with Excel, Tableau, and Informatica

CAMPUS INVOLVEMENT AND COURSEWORK

- Implementation of Huffman Compression Algorithm
- Created a machine learning stock price prediction model with Python and Scikit-learn
- Implemented numerous data mining algorithms from scratch in Python, including Decision Trees, Nearest Neighbor, Naïve Bayes, K-Means, DBSCAN, Apriori, FP-Growth, and Kernel Methods

EXPERIENCE

PicPocket Labs, Austin, TX

May 2019 – July 2019 Intern

- Created a product recommendation system for the social media app utilizing machine learning

Sanger Learning Center, Austin, TX

August 2017 – January 2019 *Tutor*

- Assist students understand and work through course material
- Work one-on-one and in groups with students working on subjects ranging from Differential Equations to Java

Globe Life Insurance, McKinney, TX

July 2018 – August 2018 *Data Analysis Intern*

- Used Tableau and Informatica to interpret and create a new data system for lead generation data

Congressman Pete Sessions, Dallas, Texas

Summer 2014 *Intern*

- Interfaced directly with the Congressman's local constituents
- Communicated local issues to the congressman's DC office

ACTIVITIES & LEADERSHIP

Habitat for Humanity, Plano, Texas

Summer 2013 – Spring 2014

Volunteer

- Volunteered at the ReStore
- Assisted in multiple build projects

Eagle Scout Project, Plano, Texas

Summer 2013

Project Leader

- Designed, organized, and led in the construction of a community, xeriscape gardens