

# David Bommersbach

Austin, TX

214-394-8374 | davidbommersbach@gmail.com

## EDUCATION

---

**The University of Texas at Austin**, Austin, TX

Bachelor of Science in **Computer Science**

December 2019

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, and Network Security and Privacy

## SKILLS

---

- Proficient in Python (Numpy, Pandas, Scikit-learn, 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

## Notable Projects

---

- Implementation of Huffman Compression Algorithm
- Created a machine learning stock price prediction model with Python and Scikit-learn
  - Used BeautifulSoup to scrape Yahoo Finance for data
- 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
- You can find these projects and more on my website – [davidbommersbach.com](http://davidbommersbach.com)
  - Created the website with the following technologies: Javascript, HTML, PostgreSQL, and Django

## EXPERIENCE

---

**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
- Worked with a group of other interns to present an employee retention in an attempt to save the company millions

**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

## LEADERSHIP

---

**Eagle Scout Project**, Plano, Texas

Summer 2013

*Project Leader*

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