

# Hanna Mitschke

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## EDUCATION

### TEXAS A&M UNIVERSITY B.S. IN COMPUTER SCIENCE MINOR IN BUSINESS

#### MINOR IN CYBERSECURITY

Graduated May 2021

College Station, Texas

GPA: 4.0/4.0

Summa Cum Laude Graduate

Texas A&M Lechner, Texas A&M B. Ray  
and Hal P. McCorkle, & Lockheed Martin  
Scholarships

### CLEAR BROOK HIGH SCHOOL

Graduated June 2017

Friendswood, Texas

GPA: 5.6/6.0

Rank: 6/557, Top 1%

Summa Cum Laude Graduate

Distinguished Achievement Plan  
Superintendent Scholar

## COURSEWORK

### COMPUTER SCIENCE

Senior Capstone Design

Software Engineering

Computer and Network Security

Principles of Data Science

Human-Computer Interaction

Design and Analysis of Algorithms

Data Structures and Algorithms

Information Storage and Retrieval

Programming Studio

Computer Organization

Programming Languages

Law and Policy in Cybersecurity

Intro to Computer Systems

Intro to Program Design and Concepts

### MATH

Calculus I, II, & III

Linear Algebra

Principles of Statistics

### BUSINESS

Principles of Marketing

Survey of Management

Survey of Finance Principles

Survey of Accounting Principles

Business Information Systems Concepts

Business, Government, and Society

## OBJECTIVE

Seeking full-time employment starting August 2021 that will utilize my computer science knowledge and skills by working on a team for the success of the company, where my driven nature and quick learning abilities will lead to opportunities for growth.

## TECHNICAL SKILLS

C++ • Python • Java • C# • HTML 5 • CSS • JavaScript • Ruby on Rails • Scheme •  
MATLAB • Android Studio • Unity • LabVIEW •  $\text{\LaTeX}$  • Microsoft Office

## WORK EXPERIENCE

### COMPUTER SCIENCE UNDERGRADUATE TEACHING ASSISTANT

August 2020 - May 2021 | Texas A&M University | College Station, Texas

- Worked closely with the professor and other TAs to lead over 300 undergraduate and graduate students in a Java-based computer science course
- Supervised labs twice a week, worked with Python scripts to automate course tasks, helped with grading and course setup, and answered student questions

### COMPUTER SCIENCE PEER TEACHER

August 2019 - May 2021 | Texas A&M University | College Station, Texas

- Acted as experienced resource to 100s of computer science undergraduate students in labs and office hours
- Debugged and answered questions with limited knowledge about assignments

### CALPINE SOFTWARE DEVELOPMENT INTERNSHIP

- Was awarded Summer 2020 internship as Software Developer for Calpine in Houston, TX, but it was canceled due to the COVID-19 pandemic

## PROJECTS

### TUMBLE ANDROID APPLICATION | Spring 2021

- Developed mobile app using Android Studio (Java), Google Vision, and Firebase
- Utilized machine learning to recognize laundry symbols, and users can also save clothes into virtual closet and have optimal laundry loads generated

### CODENAMES WEB PAGE | Summer 2020

- Recreated Codenames board game using HTML/CSS and JavaScript as an independent project so that the game could be played locally with a computer

### PEER TEACHER DISPLAY WEB APPLICATION | Spring 2020

- Used Ruby on Rails framework to develop SaaS web app for Dr. Teresa Leyk for tracking and displaying peer teachers during their working hours

## ORGANIZATIONS & ACTIVITIES

- Society of Women Engineers (Fall 2018 - May 2021)
- Kappa Theta Beta Catholic Sorority (Fall 2018 - May 2021)
- Aggie Women in Computer Science (Fall 2018 - May 2021)
- TAMUHack 24-Hour Hackathon (January 2019, 2020)

## COMMUNITY SERVICE

- St. Mary's Aggie Awakening Staffer (2020, 2021)
- Catholic Charities (Fall 2018 - Spring 2021)
- The Big Event Service Project (2018, 2019, 2021)