

# LAUREN MANGIBIN

## THE UNIVERSITY OF TEXAS AT AUSTIN

BS, COMPUTER SCIENCE  
MINOR, BUSINESS  
AUG 2018 - DEC 2021  
GPA 3.89

### CONTACT DETAILS

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### PERSONAL PROFILE

Looking to explore my passion for CS in industry through Software Engineering or Project Management. I enjoy computer networks, data science, and Android Mobile development. Furthermore, I love working with people!

### TECHNICAL SKILLS

#### RELEVANT COURSES

- Data Mining
- Algorithms
- Operating Systems
- Computer Architecture
- AI/ Human-Robot Interaction Research
- Software Engineering
- Object-Oriented Programming
- Data Structures
- Discrete Mathematics
- Linear Algebra
- Differential Equations
- Multivariable Calculus
- Statistics

#### PROGRAMMING

**Experienced:** Java, C, C++, Git, LaTeX

**Familiar:** Python, Android Development, Robot Operating System (ROS), Point Cloud Library

**Exposed:** CSS, JavaScript, Flask, Kotlin

#### ENVIRONMENTS

Linux/Unix, MacOS, Windows, Microsoft Office, JIRA, Agile Work Environment, BitBucket, Confluence, Android Studio, Fusion 360, Arduino, Docker

#### SOFT SKILLS

Strong Verbal and Written Communication, Project Management, Public Speaking and Presentation

## EXPERIENCE

### Alarm.com, Tysons, VA

#### Software Engineering Intern | Jun 2020 - Aug 2020

- Developed a panel version of the Alarm.com Android app for Alarm's largest dealer, refreshing the current app into a minimalist panel through Android Studio
- Increased accessibility and readability of the customer car's map location by rearranging the layout of the page, pushed to production on the main app reaching over 6 million users

### Fidelity Investments, Westlake, TX

#### Software Engineering Intern | Jun 2019 - Aug 2019

- Lead research and development of the Workforce Management Tool, a software solution to protect customer information for 204 investment centers nationwide using the Cisco Meraki API
- Automated addition of users in Glance, a co-browsing and screen-sharing application, using Visual Basic, reducing task duration by 78%
- Facilitated a company-wide upgrade of computer systems from Windows 7 to Windows 10 for over 8000 users

### Vrbo, Austin, TX

#### Data Specialist | Jan 2019 - Jul 2019

- Ensured that personally identifiable information was not revealed in home reviews by training machine learning algorithms with Prodi.gy
- Reviewed and corrected 6000+ annotated textual records written in English and Spanish

## SELECTED PROJECTS (ADDITIONAL PROJECTS ON GITHUB)

### Spin and Capture (C++, Arduino, ROS, Point Cloud Library)

- Created a 3D Point Cloud and Image Capturing System using a turntable and Kinect to create full 3D model data sets in 5 minutes, 25x faster than previous system
- Undertook the full design and construction of the turntable through Fusion 360 CAD software, Arduino, and laser-cutting software
- Used to train neural networks for Building Wide Intelligence (BWI) and RoboCup@Home

### UT Laundry App at HackTX Hackathon (Java, Android Studio)

- Created an Android application and website to track the availability of laundry machines in UT dormitories at HackTX
- Synchronized data between the cloud and user devices and served push notifications for laundry status through cron jobs
- Acted as project manager for the team

## INVOLVEMENT

### Women in Computer Science (WiCS)

Aug 2018 - Present

- **Social Chair (2020-2021):** expanded social reach from diversity organizations within UT Computer Science to Women in Engineering organizations at the Cockrell School of Engineering
- Nell Dale Scholar and mentor

### Center For Inclusive Computing

July 2020

- **Chosen by the UT Department of Computer Science** to represent UT Women in Computer Science and the First Bytes program
- Successfully earned a grant to promote women in computer science from the Center For Inclusive Computing (CIC) with a team

### UT Computer Science Undergraduate Mentor

July 2020 - Present

- **Mentor** to 25 first-year UT computer science students through their academic and professional career

### Redefined Dance Company

Jan 2019 - Present

- **Choreographer/Member** of a competitive hip-hop dance group at UT
- Competed and achieved Top 10 Teams at World of Dance Dallas 2019