

# Lauren Gaille Mangibin

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## EDUCATION

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

*B.S., Computer Science; Minor, Business*

*August 2018 – December 2021*

GPA: 3.89/4.0

## TECHNICAL SKILLS

### **Relevant Courses:**

Data Mining, Algorithms, Operating Systems, Computer Architecture, AI/ Human-Robot Interaction Research, Data Structures, Discrete Mathematics, Linear Algebra, Statistics

**Languages/Environments:** Java, C, C++, Git, Python, HTML, CSS, Flask, Kotlin, Pandas, Jupyter Notebook, Android Studio, Docker, Fusion 360, Atlassian Suite, Linux

## EXPERIENCE

**Alarm.com** (Tysons, VA - remote) • Software Engineering Intern • *June – August 2020*

- Developed a panel version of the Alarm.com Android app for Alarm's largest dealer, refreshing the current app into a sleek, 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 with over 6 million users

**Fidelity Investments** (Westlake, TX) • Software Engineering Intern • *June – August 2019*

- Lead research and development of the Workforce Management Tool, a software solution to protect sensitive customer information for 204 investment centers nationwide
- Automated addition of users in Glance, a co-browsing and screen-sharing application, for investment customers using Visual Basic, reducing task duration by 78%

**Vrbo** (Austin, TX) • Data Specialist • *January – July 2019*

- Developed testing data modeling sets in English and Spanish with Prodi.gy to train machine learning algorithms to identify personally identifiable information

## SELECTED PROJECTS (See Github for more)

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

- Designed and constructed 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
- Used to train neural networks for Building Wide Intelligence (BWI) and RoboCup@Home

**UT Laundry App** (Java, Android Studio)

- Created an Android app 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 in Android Studio
- Acted as project manager for the team

## INVOLVEMENT

**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 for a group interview with the Center For Inclusive Computing

**Women in Computer Science (WiCS)** *August 2018 – Present*

- Social Chair (2020-2021), expanded social reach to the Cockrell School of Engineering
- Nell Dale Scholar and mentor

**UT CS Pod Mentor** *July 2020 – Present*

- Mentoring 25 first-year UTCS students through their academic and professional career

**Redefined Dance Company (RDC)** *January 2019 – Present*

- Choreographer/Member of a competitive hip-hop dance group at UT Austin