

Lauren Gaille Mangibin

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EDUCATION

The University of Texas at Austin, Austin TX

August 2018 – December 2021

B.S., Computer Science | GPA: 3.90

TECHNICAL SKILLS

Programming: Proficient: Java, Git, LaTeX; Intermediate: Python, C++, C; Beginner: CSS, JavaScript, Flask
Relevant Courses: Operating Systems, Computer Architecture, Data Structures, Discrete Mathematics, Linear Algebra, Multivariable Calculus, Statistics, Research

EXPERIENCE

Fidelity Investments · Software Engineering Intern (Westlake, TX)

June – August, 2019

- Lead research and development initiative to create a Workforce Management Tool for 204 investment centers across the nation
- Connected with third-party vendors and internal groups to find hoteling solutions
- Automated addition of users in Glance, a co-browsing and screen-sharing application, for investment customers using Visual Basic, reducing task duration by 78%
- Hosted feedback sessions and created internal documentation for over 8000 users to facilitate a company-wide upgrade of computer systems from Windows 7 to Windows 10

Vrbo · Data Specialist (Austin, TX)

January – July 2019

- Ensured that personally identifiable information was not revealed in home reviews by training machine learning algorithms with Prodi.gy
- Reviewed and corrected over 6000 annotated textual records written in both English and Spanish
- Worked with data science team to optimize textual recognition process

PROJECTS (See GitHub for more)

Projection of Images onto Distorted Surfaces (Python)

- Researched and documented the transformation and projection of images onto distorted surfaces with visual semaphores under the guidance of Dr. Justin Hart at UT Austin
- Split arbitrary images into sections and projected each section onto its corresponding square on a chessboard
- Programmed homography calculations to identify the relationship between distorted and undistorted images

UT Laundry App (Java)

- Created an Android application and website to track the availability of laundry machines in UT dormitories
- Wrote a wrapper for a QR code scanning activity to record laundry machine ID's
- Fixed push notifications and data storage in the cloud through cron jobs
- Used cron jobs to synchronize data between the cloud and user devices, as well as serve push notifications for laundry status
- Acted as project manager for the team

INVOLVEMENT

Women in Computer Science (WiCS)

August 2018 – Present

- Active member of the Nell Dale Scholars program, which promotes women in computer science

Filipino Student Association

August 2018 – Present

- Mentor to five first-year members to aid in college development and promote the Filipino culture

Redefined Dance Company

January 2019 – Present

- Member of a competitive hip-hop dance group at the University of Texas at Austin
- Competed and achieved Top 10 Teams at World of Dance Dallas 2019

Intro to Computer Science Tutor

August 2016 – Present

- Mentored students in Python and Java covering basic programming to data structures