
EDUCATION**The University of Texas at Austin – B.S., Computer Science, GPA – 3.97 / 4.0****August 2019 – May 2022****Relevant Coursework:** Data Structures, Computer Architecture, Statistics, Longhorn Startup Seminar

EXPERIENCE**Home Depot – Software Engineering Intern****June 2020 – August 2020**

Self-checkout flow for dropdown data entry and register communication

- Created React interface to display job name selection and keyboard entry
- Utilized sockets, Redux, and Spring to implement dropdown register/self-checkout messaging layer
- Deployed to 50,000+ registers in 2,000+ stores

UT Austin HRI Research – Researcher**April 2020**

Research paper on impact of different synthetic voices on person's risk-taking ability

- Developed JavaScript website to determine risk users would take with different narrators
- Analyzed 100+ data points to determine female robotic narrators induced riskier behavior

PROJECTS**GoalGroup – iOS / Backend Development****March 2020 - Current**

iOS app for users to join groups with similar goals to stay motivated

- Implemented web socket communication with Socket.IO to create real-time in app messaging
- Designed MongoDB Atlas cluster to store user data and send notifications

Stutterless – Machine Learning / iOS Development**November 2019**

iOS app that recognizes stuttering and provides real-time visual feedback

- Developed a CoreML model to recognize stuttering in real-time
- Calculated daily improvement and presented visual cues with Swift

Scan to Sheets – iOS Development**August 2018 – Current**

Inventory management app that uploads barcodes / QR data into Google Sheets

- Integrated Google Sheets API with iOS app to develop inventory management system
- Downloaded 5000+ times by teachers and companies in 60+ countries

Peeko – iOS / Backend Development**December 2017 – July 2019**

Anonymous social network focused on authentic conversations with friends

- Implemented Firebase database for real-time messaging, posts, reporting, and friend system
- Utilized GCP to implement photo storage, identity encryption, reporting, and notification features
- Denormalized data and utilized GCP to decrease data latency and consumption
- Developed an algorithmic system to determine threshold for removing a topic's anonymity

ACCOMPLISHMENTS AND AWARDS**Mu Alpha Theta, Science National Honor Society – President****August 2017 – May 2019**

- Implemented Scan to Sheets attendance for 700+ members which decreased sign-in times by 80%

National Merit Finalist**March 2019**

- Selected for PSAT score among top 0.5% of students in Texas

LANGUAGES AND SKILLS**Languages:** Java, JavaScript, Swift, C, Node.js, HTML/CSS**Frameworks / Libraries:** MongoDB, Firebase, GCP, Express, Socket.IO, Core Data/ML**Other:** Git, Linux