

# Jonathan Dalcourt

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## EDUCATION

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### The University of Texas at Austin

Master of Science - Information Studies

May 2022

- Relevant Coursework: Problematic/Misleading Info, Usability, Rapid Prototyping

Bachelor of Science - Computer Science; GPA 3.57

May 2021

- Relevant Coursework: Android Mobile Computing, iOS Mobile Computing, Modern Web Applications, Operating Systems, Algorithms and Complexity, Data Structures

## SKILLS

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**Technical Skills:** Proficient with Node.js, React, Android, Flutter, Firebase, Rest APIs, Git, and npm; Familiar with Docker

**Languages:** Proficient in Javascript, Dart, Java, Kotlin, and Swift; Familiar with C; Exposed to Python, C#, and SQL

## EXPERIENCE

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Software Development Intern at **Qualtrics**, Seattle, WA (Remote)

June 2021 - Present

*QTheme: Executed end-to-end integration of a cross-product customer QoL feature in Node.js*

- Worked under the Digital Experience (DXI) team to access and integrate another team's API into DXI's product
- Collaborated with UX to design and implement UI components according to mocks
- Designed and implemented mappings for modifying incoming payload to an object our product could use
- Coordinated weekly with PM and UX to continually update QTheme to align with long-term vision for product
- Exceeded minimum test coverage threshold of 80% by maintaining 95%+ coverage
- Demoed completed project to internal brands and coordinated to designate external brands for early access

Software Developer at **Homecooked**, Austin, TX

January 2020 - June 2021

*Developed social events app gathr across full stack, including visual design, API development, and backend maintenance.*

- Implemented web server with Firebase Cloud Functions and developed notifications API using Firebase Cloud Messaging; handled transitioning to that API from OneSignal
- Represented gathr in accelerator program Longhorn Startup. Refined business model and growth strategies by consulting with mentors; updated development goals to align with feedback; and designed slide decks and pitched to investors, raising over \$1000
- Facilitated transition of back-end from GraphQL to Cloud Firestore and maintained Firestore database
- Managed Android releases to Google Play Store, as well as overseeing beta rollout

Software Development Intern at **Shenzhen Hanyang Technology**, Shenzhen, China

May 2019 - July 2019

*Worked in the mobile applications team to develop iOS and Android user apps for automated snow-blowing robot.*

- Coordinated with robotics team to expand existing API for communicating with robot, and implemented API in mobile app with MQTT
- Designed and implemented custom UIs for both creating automatic routes and manually controlling the robot's movement
- Designed and implemented startup guide for new users to set up and become familiar with robot

## PROJECTS

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- **Telehealth App (Flutter)** - Designed and developed Nigeria-based telehealth app. App allows users to find nearby doctor and clinics; schedule appointments; and connect with healthcare professionals through chat and video consultations
- **PINTOS (C)** - Expanded bare-bones toy OS to include priority scheduling, argument passing on stack, system calls for user programs, and virtual memory; converted single-thread file system into a multi-level indexed file system