

# Samuel W. Lupton

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**SUMMARY** – Background in mobile iOS engineering, Java, and technical data package design

## **EDUCATION**

**University of Oklahoma**, Norman, OK - **GPA: 3.63/4.00**

**May 2025**

Bachelors of Science in Electrical Engineering & Computer Science & Minor in Mathematics

Related Courses: Java, Microprocessor System Design, Computer Security, Data Structures

## **RELEVANT EXPERIENCE**

**Expedia**, Seattle, Washington, Mobile Engineering Intern

**Summer 2024**

- Developed upsell card for ground transfer using GraphQL, SwiftUI, Unit Testing, and internal scripts
- Integrated query and component fragments into shared components for reusability across platforms
- Bug fixes and exposure to the development process
- Placed 3rd place in Native Hackathon - Spotify Trip Curator

**United Dynamics**, Shawnee, Oklahoma, Engineering Intern

**Summer 2022 & Winter 2022**

- Delivered technical data package for brake pulser unit (BPU) and BPU Solder Fixture for F15 fighter aircraft
- Created BOM with enterprise resource planning (ERP) software and within MIL Standards compliance
- Wrote electromagnetic interference and quality test procedure for BPU

**Valero Energy**, Sunray, TX, Electrical Engineering Intern

**Summer 2021**

- Designed and implemented control scheme for nitrogen flare system
- Designed and implemented controls scheme for heater combustion difficulty
- Designed instrumentation scheme for installation of tank rundown temperature and level radar gauge

## **PROJECTS**

**SimplyFit: Health and Fitness**, Health and Fitness App ([Link](#))

- Personal app release on iOS App Store, 15000+ downloads
- Technologies used: SwiftUI, SwiftData, Google Analytics, Facebook API, algorithms
- Over 30 feature and maintenance updates
- Workout routine generator, persistent timer, fitness analytics, social-media graphics generator

**TripMaker**, Java - GPX file plotter app with speed gauge using color changing lines ([Link](#))

- Created file upload feature for users to upload and create souvenir maps of trips with their GPX files

## **SKILLS**

**Computing** | Java, SwiftUI, SwiftData, Firebase, GitHub and Git, Command Prompt, Electrical Lab Equipment

## **HONORS AND AWARDS**

- |  |                |
|--|----------------|
| • <b>President's Honor Roll</b>                    | F20/SP22       |
| • <b>Dean's Honor Roll</b>                         | SP20/SP21/SP23 |
| • <b>William H. Barkow Scholarship</b>             | 2020-2024      |
| • <b>Multicultural Tuition Scholarship</b>         | 2019-2024      |
| • <b>Earnest W. Reynolds Scholarship</b>           | 2021-2024      |
| • <b>Arch &amp; Jo Gilbert Scholarship</b>         | 2022-2023      |
| • <b>Beatrice Carr &amp; Wallace Scholarship</b>   | 2022-2023      |
| • <b>OKPELS Engineering the Future Scholarship</b> | 2022-2024      |
| • <b>Science Post Graduate Scholarship</b>         | 2023-2024      |

## **OTHER EXPERIENCE**

**CodePath iOS Mobile Development**, Remote, Student Participant

**Spring 2023**

- Completed an iOS development program, with experience in Xcode, Parse SDK, Swift, and UIKit

**AT&T Summer Bridge**, University of Oklahoma, Student Participant

**Summer 2019**

- One-month professional development and residential program for 50 incoming freshmen engineers

**Red Rock Canyon Grill**, Norman, OK, Server & Trainer

**August 2016 - March 2022**

- Training new hires on the team-work system, strong peer to peer collaboration, and knowledge of menu

**Lupton Lawn Care**, Moore, OK, CFO & Founder

**January 2017 - August 2019**

- Finance and project management, business operations, collaboration with partners