

# LUKE BROWN

📍 Arlington, Texas 📞 (682) 323-6708

🌐 <https://github.com/LewkyB>

🌐 <https://www.lukebrown.us/>

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## EDUCATION

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**BS Computer Science** *minor in Biology*  
*University of Texas at Arlington*

*Aug 2018 - Aug 2021*

## TECHNICAL SKILLS

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**Programming:** Python, C++, C, Java, SQL,  $\LaTeX$ , Bash, Regex, JSON, XML

**Software & Tools:** Git, Linux, Docker, AWS, SQLite, Firebase, REST, SOAP, Nginx, Android  
Flask, Selenium, Pandas, NumPy, OpenCV, NLP, Qt, Arduino, HTML, CSS

## PROJECTS

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**SketchApp** *Android, Java, Firebase, Tensorflow*

<https://github.com/LewkyB/SketchApp>

Android application that processes and identifies user-created doodles using Tensorflow. User-created doodles are stored in a database and are viewable within the Doodle Browser in the application. A built-in Cute Animal Browser included for doodle inspiration. Comment system to discuss user-created doodles made from scratch using Firebase.

**Note Creator** *C++, Qt Creator*

[https://github.com/LewkyB/Note\\_Creator](https://github.com/LewkyB/Note_Creator)

GUI program that streamlines creating and opening plain text or markdown files in directories that can be designated as favorites. Favorites then persist between sessions making it a one-stop-shop for computer-based note taking and organization.

**IRTube** *Python, Flask, SQLite, Regex, JSON*

<https://github.com/LewkyB/IRTube>

Flask application to display Youtube links that are parsed from a SQLite database using regex and put into JSON. Links are listed by server and channel so you can see what each chat channel likes to watch.

**Encryption Tools** *Python, Flask, SQLite, SQLAlchemy*

[https://github.com/LewkyB/encryption\\_tools](https://github.com/LewkyB/encryption_tools)

Suite of file encryption tools made with pyca/cryptography and delivered through a Flask application. Files can be encrypted with either RSA or single key. Encrypted files are saved to user accounts and stored in a database for easy retrieval.

## WORK EXPERIENCE

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**API Integration Intern**

*May 2021 - Present*

*EZLynx*

Handled communication between developers and clients to pinpoint issues with the API. Assisted developers in resolving API issues. Updated and improved internal documentation. Created multiple automation tools for team to reduce ticket response time.

**Technical Support Level II**

*Feb 2019 - May 2021*

*Office of Information and Instructional Resources UTA*

Improved scheduling workflow by creating a spreadsheet formatting program with Python. Independently managed 32 classrooms and 2 computer labs. Created, stocked, and maintained the office mini-fridge.

**Technical Support Level I**

*Sept 2018 - Feb 2019*

*Office of Information Technology UTA*

Supported 120+ MacOS and Windows workstations across multiple buildings on campus. Promoted the use of remote desktop among coworkers to reduce on-site visits leading to increased technical support availability.