

DAVID MITCHELL

Software Engineer based in Central Illinois
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EDUCATION

University of Illinois at Urbana-Champaign
Bachelor of Science in Computer Science

May 2021
GPA 2.94 / 4.00

PROJECT EXPERIENCE

"Unknown Pleasures" Music Visualizer

2018

- Derived formulas for sound analysis to maximize data comprehension
- Authored progress reports with an emphasis on organization and clarity
- Final project for "Software Design Studio," written in **C++**
gitlab.com/astrosticks/unknown-pleasures-visualizer

Personal Website

2018 - Present

- Implemented gitlab **CI/CD** integration to sync files with repository for a faster deployment
- Utilized development skills such as SSH, command-line editing, Bash scripting in **Linux**
astrosticks.com

"ScratchyBot" Twitter Bot

2017 - Present

- Designed Twitter bot in **Python**, now gaining over 10,000 impressions per month
- Integrated with HTTP requests and aggressive error handling, for cross-platform functionality
- Developed interest in working with web APIs to enable software to interface in new ways with websites
gitlab.com/astrosticks/scratchybot

"FIRST" Robotics Team #4213

2013 - 2017

President 2014-15, Secretary 2015-17

- Led team of STEM students to design, build, and compete with robots in international competition
- Developed teamwork skills through working with partners on projects and opening communication between subteams
metalcowrobotics.com

"Liddup" Music Streaming App

2017

- Designed and helped implement UI into a cross-platform application
- Interacted with developers to outline needs and limitations of interface
gitlab.com/astrosticks/liddup

TECHNICAL SKILLS

Languages C++, Java, Bash, HTML, Python

Applications Git, Linux, MS Office