

Kyle Thurin

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PROFESSIONAL SUMMARY

Detail-oriented and technically proficient Research Associate with over 5 years of experience in data collection technologies, signal data processing, and behavioral research. Adept in Java, Python, SQL, and modern web frameworks, with a strong foundation in statistical analysis and physiological data interpretation. Passionate about continuous learning and contributing to agile, cross-functional development teams.

KEY SKILLS

Languages & Frameworks: Java, Spring Boot, Python, MATLAB, R, JavaScript, HTML, CSS, Vue.js

Databases & Tools: PostgreSQL, SQL, JDBC, E/R Diagrams, Table Design, IntelliJ, PyCharm, Visual Studio Code

Testing & DevOps: JUnit, Cypress, Integration Testing, Git, Agile, Postman, Chrome DevTools, RESTful Services

Libraries & Platforms: Pandas, NumPy, Jupyter, iMotions, Affectiva, PsychLab

TECHNICAL EXPERIENCE

Full-Stack Personal Portfolio

A professional portfolio website using a modern **React** and **JavaScript** stack, showcasing personal repository data from the **GitHub API**, resume, and professional background

Spotify Full-Stack Web Application

Developed a fully functional, secure, full-stack web application leveraging a modern **React** frontend, a **Java Spring Boot** backend, and a **PostgreSQL** database, incorporating robust user authentication and dynamic third-party API data integration

Rock Climbing Guide Web App

Developed a full-stack application using **Java**, **Spring Boot**, **PostgreSQL**, **Vue.js**, and **REST APIs**. Integrated **Geolocation** and **NWS API** for real-time weather at climbing locations. Enhanced UX through dynamic frontend and synchronized data flow.

Fortune Teller Console App

Built a **Java**-based recreation of a Magic 8-Ball with expanded interaction logic and tracking features, improving user engagement with enhanced feedback options.

JSON to CSV Data Extractor

Created a Python command-line tool to convert JSON datasets into structured CSV files using **Pandas**, **OS**, and **JSON** libraries. Automated data transformation for analysis.

Winter scene (Simple simulation)

An object-oriented Java application that uses the Processing framework, featuring a buildable snowman, animated snowflakes, and throwable snowballs

Haunted-house (Simple simulation)

Java Processing application that simulates a spooky Haunted House scene with animated elements (i.e. a Pumpkin, a Ghost, and Lightning) and user-driven interactions

PROFESSIONAL EXPERIENCE

Research Associate

Sep '15 - Present

MediaScience | Austin, TX

Research and development are ongoing in this position.

- Conduct statistical analysis on cross-platform media data (TV, smartphones, computers) using **MATLAB** to evaluate content effectiveness and audience engagement

- Analyze physiological data (**EDA, PPG, eye tracking, facial coding**) and self-reported responses from 50-200+ participants weekly across three U.S. locations - Austin, TX, Chicago, IL, and New York City, NY
- Extract and clean heart rate and GSR data using **iMotions, Affectiva, and PsychLab**
- Collaborated with major media partners (e.g., **ESPN Labs**) on published industry studies

EDUCATION

Full Stack Developer Certification

Sep '24 - May '25

Tech Elevator | Online

Completed 800+ hours of immersive training in full-stack software development

M.A. Psychological Research

Aug '13 - May '15

Texas State University | San Marcos, TX

Thesis: *Alcohol Preferences and Event-Related Potential Indices of Cue Reactivity to Alcohol Images*

B.A. Honors in Psychology & Minor in Criminal Justice

Texas State University | San Marcos, TX