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

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.

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