

# KYLE PATRICK HANSON

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## PROFESSIONAL SKILLS

- Programming Languages: Fluent in Java (primary), C#, PHP, TypeScript, HTML, CSS
  - Developing knowledge in JavaScript, C, and Python.
- Frameworks: Selenium, Angular, Django
- IDEs/Development Environments: Linux (Ubuntu 22.04), Windows 10, Visual Studio Code, Visual Studio, Eclipse, IntelliJ, MySQL
- Software Tools & Project Management: Git, LaTeX, GitHub Desktop, Node Packet Manager, Vim, MySQL, Jira, Trello, Discord, Slack

## PROJECTS

Boise State: 2020 – Current

- A [distributed identification server](#) with replication for reliability (written in Java in a two person team)
- A [school management system](#) that implements a database using MySQL (written in Java)
- A [website](#) to upload, download, or play sheet music and mp3's (written in PHP, HTML, CSS, and JavaScript with a database using MySQL – Not publicly hosted currently)

Idaho National Lab Internship: February 2022 – Current

- [Automation](#) testing for Cybersecurity assessment software (February 2022 – May 2022, August 2022 – written in C# under the username 'hanskp')
- Multiple feature requests for a confidential project management system (not publicly available – detailed below)

Personal: Fall 2021 – Current

- Working on school projects in C, HTML, CSS, and Python, as well as a relational database using MySQL.

## EDUCATION

- B.S. Computer Science, Spring 2023 (expected graduation).  
*Boise State University, Boise ID USA*
- B.A. English, 2014.  
*University of Idaho, Moscow, ID USA*

## **RELEVANT WORK EXPERIENCE**

### ***Idaho National Laboratory Internship February 2022 – September 2022 Software Development & Automation Testing***

- Built multiple classes to increase automation testing efficiency using the Selenium framework and the C# programming language.
- Developed reusable automation tests, freeing developer time from manual workflow runs
- Developed graphical Angular components that use restful API calls, assisting client workflow visualization, using Chart.js
- Integrated and built a new Angular component with modeled historical data and developed an API that allows for easy user reference by table.
- Provided multiple application improvements to ensure high-quality graphical content with client feedback and partnership, using HTML and CSS

### ***United States Air Force March 2015 – March 2019 Radio Frequency Transmissions Technician, 353rd SOSS – E4***

- Performed scheduled and unscheduled maintenance and upgrades on deployable communication packages while utilizing specialized test equipment, which decreased maintenance associated costs by 50% over a quarter.
- Coordinated logistics and training for up to 20 military personnel at a time, resulting in these individuals becoming fully mission capable.
- Lead 2 to 4-person teams to set up and maintain tactical radio equipment to allow mission commanders ground to aircraft communication.

## **VOLUNTEER EXPERIENCE & PERSONAL ACHIEVEMENTS**

- Helped bring food, potable water, and toys to an orphanage of 200+ children in Mactan, Cebu Island, Philippines for two weeks.
- Won two quarterly awards for job excellence and was nominated for early Air Force rank promotion.
- Possess an Active Secret Security clearance until 2023.
- Composed, wrote, and recorded a 10-song solo piano instrumental music album.