

# 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.
- Software Tools & Project Management: Git, LaTeX, GitHub Desktop, Node Packet Manager, Vim, MySQL, Jira, Trello, Discord, Slack.

## EDUCATION

- B.S. Computer Science, Spring 2023 (expected graduation).  
*Boise State University, Boise ID USA*

## RELEVANT WORK EXPERIENCE

### ***Idaho National Laboratory Internship*** ***Software Development & Automation Testing***

***FEB 2022 – SEPT 2022***

- Increased 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*** ***Radio Frequency Transmissions Technician, 353rd SOSS – E4***

***MAR 2015 – MAR 2019***

- 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.

## 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.

## 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.