

# LUKE SHEPHERD

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## EDUCATION

**Oregon State University** – Bachelors in Computer Science (**4.0 GPA**)

*Expected Graduation* **March 2026**

**Relevant Coursework:** Intro to CS I & II, Computer Architecture, Data Structures, Algorithms (Winter '24)

**University of Washington** – Full Stack Web Development Bootcamp (**4.0 GPA**)

**Jan 2020 – June 2020**

## TECHNICAL SKILLS & TOOLS

**Languages:** Java, Python, TypeScript, JavaScript, SQL

**Tools & Frameworks:** AWS, Terraform, Spring, Django, PostgreSQL, Git, Redux, MongoDB, Express.js, Node.js, React.js

## EXPERIENCE

**AI Test Engineer**

**Feb 2024 – Present**

*Outlier AI*

- Reviewed and rated AI responses to prompts involving code generation, API usage, and interview candidate assessment with a **95% accuracy rate**

**Full Stack Software Engineer**

**Aug 2021 – June 2023**

*BTTN Technologies*

- Developed architecture review workflow, resulting in a **35% decrease in software bug rates** due to pseudocode optimization and improved documentation
- As project lead, designed and built a full-stack management system for over **1 million healthcare products** that included integrations with Shopify, Quickbooks, and Salesforce

## PROJECTS

**MTG Deck Builder** | *Java*

- Created a deck builder in **Java** that allows users to build digital versions of 60-card Magic: The Gathering decks
- Catalogs users' Magic: The Gathering collections and **tracks daily financial changes** of individual card prices
- **Tools:** Spring, PostgreSQL, Docker, AWS, Terraform

**Pentago** | *Python*

- Developed a **Python** program modeling the game Pentago, a two-player strategy game played on a 6x6 grid
- Players take turns placing a marble and rotating one of four 3x3 sub-boards until a 5-in-a-row is achieved

**Bestest Buy Bot** | *JavaScript*

- Built an autonomous purchase bot with **JavaScript** to compete with scalpers for high-demand products
- Enabled my purchase of an NVIDIA graphics card at MSRP, which **sold out in minutes**
- **Tools:** Node.js, Puppeteer, PM2

**5sherpas** | *JavaScript*

- Created a full-stack **JavaScript** application that generates suggestions for constructive activities based on personal development goals and tracks weekly progress
- **Tools:** MongoDB, Express.js, React.js, Node.js, Heroku

## EXTRACURRICULAR ACTIVITIES

**Security Club** | *Member*

**Oct 2024 – Present**

- Participated in Capture the Flag (CTF) challenges and Cyber Defense competitions