

Ryan Park

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EDUCATION

Bachelor of Science in Computer Science with an Emphasis in AI

Salt Lake City, UT

University of Utah

Projected to Graduate Spring 2026

- **Awards:** Presidential Merit Scholar, Hinkley Leadership Scholar, Dean's List
- **Organizations:** Chess Club, Cybersecurity Club
- **Relevant Coursework:** Introduction to Object Oriented Programming(Java, Python), Data Structures and Algorithms(Java), Computer Organization(MIPS), Software Practice 1 and 2 (C# and C++), Foundations of Data Analysis(Python), Computational Computing, Operating Systems, Databases, Computer Security, Practical Machine Learning, Artificial Intelligence, Advanced Artificial Intelligence

Associates of Science in General Studies with High Honors

Ogden, UT

Weber State University

Graduated Spring 2022

- **GPA:** 4.0
- **Organizations:** Chess Club
- **Relevant Coursework:** Foundations of Computing (Python), Intro to Computer Applications (Python)

TECHNICAL SKILLS

Programming Languages: Python, Java, C#, C++, MIPS, JavaScript, HTML/CSS

Frameworks/Tools: React Native, [Node.js](#), .NET, Docker, GitHub, Azure

Cloud/ML: AWS (S3, SageMaker, Bedrock, Snowflake), PyTorch, Google CoLab, AI Prompting

Developer Competencies: Agile/Scrum, CI/CD, Secure Coding

EXPERIENCE

IT Support Intern

Salt Lake City, Utah

University of Utah, Vice President of Research

May 2025 – Present

- Delivered daily tech support, resolving hardware/software issues, and user access problems for over 250 users and multiple departments
- Leveraged Microsoft Intune to automate patch management, device remediation, and software upgrades on user endpoints
- Conducted security assessments of the VPR digital assets, identified and remediated a critical CSRF vulnerability
- Remediated vulnerabilities across 10+ Windows servers to improve security posture
- Co-authored SOP for international loaner laptops to strengthen cybersecurity policy

Computer Science and Math Tutor

Salt Lake City, UT

University of Utah REFUGEES Program

January 2023 – August

2024

- Implemented project-based curriculum using the Minecraft Education platform to teach high school students beginner object-oriented programming concepts, resulting in 10 students passing the programming certification test.
- Provided general tutoring in math, physics, and computer science principles which helped raise overall student GPA by 0.2 points
- Cultivated an inclusive learning environment by adapting communication styles to support students from diverse cultural and linguistic backgrounds, ensuring STEM concepts are accessible to all learners

TECHNICAL PROJECTS

Gifthint— *Founding Engineer - React Native, Node.js, TypeScript, Javascript, Machine Learning*

- Led the development of a full-stack mobile application using React and Node.js
- Managed a team of two developers, overseeing project timelines, architecture decisions, and feature implementation
- Designed and integrated a machine learning algorithm to deliver personalized gift suggestions, improving user engagement and recommendation accuracy
- Coordinated end-to-end development, including UI/UX design, backend infrastructure, deployment, and App Store readiness

A Breath of Fresh Air Hackathon — *Developer - Python, AWS,*

- Developed an AI-managed cap-and-trade system to reduce Utah's air pollution by 1% annually by designing a scalable, data-driven solution that automates emission tracking, credit allocation, and compliance forecasting
- Leveraged AWS services including S3, Snowflake, Bedrock, and SageMaker to power the backend and machine learning infrastructure and used Python to integrate ML models and backend systems
- Earned an Honorable Mention for the project's innovative approach to environmental policy and sustainability

Personal Website Development - *Developer - HTML, CSS, JavaScript, Web Design*

- Currently developing a personal website to showcase projects and professional experience
- Designed and implemented responsive layouts using a React framework
- Focused on cool tech aesthetic

Capture the Flag Challenges - *CyberSecurity - TryHackMe, Hack the Box, PicoCTF*

- Exploring web application security through courses on TryHackMe, information security fundamentals on Hack the Box, and overall CTF knowledge with PicoCTF
- Learning foundational concepts in penetration testing, vulnerability analysis, and secure coding practices
- Building a strong base in cybersecurity through hands-on challenges and guided exercises

Educational Golf Simulator - *Developer - C++, Qt, Box2D Physics Engine*

- Developed a golf course simulator in order to teach course management strategies like club selection, distance control, terrain navigation, and obstacle avoidance
- Implemented physics-based gameplay with Box2D and an interactive design using Qt
- Collaborated with a team using Agile methodologies, such as Scrum practices involving sprint planning and daily stand-up meetings to ensure iterative development

Piskel Editor - *Developer - C++, Qt*

- Developed a pixel art editor with features for creating, editing, and animating sprite graphics
- Designed user-friendly interfaces with Qt, which includes tools for pixel-by-pixel editing, frame-by-frame animation, dynamic size adjustment, and saving and loading capabilities
- Developed a custom drawing algorithm to enable custom, efficient, and real-time pixel editing and dynamic canvas updates

ECommerce Business Founder -*Founder, Operator - Product Management, Marketing, Business Strategy*

- Founded and managed an online ecommerce store to gain hands-on experience in business operations, product management, and digital marketing.
- Conducted market research to identify profitable product niches and optimize pricing strategies based on competitor analysis.
- Implemented data-driven decision-making processes to enhance revenue growth, generating over \$2,000 in the first year and developing strategies for sustained profitability.

Spreadsheet Application (Excel Clone) - *Developer - C#*

- Developed and designed a Microsoft Excel clone, with core spreadsheet functionalities such as cell editing and formula evaluation
- Implemented dynamic recalculations with connected cells using dependency graphs

ASP.NET Core Weather Forecast API – Developer - C#, ASP.NET Core

- Built a web API for weather forecasts with CRUD operations using Entity Framework
- Documented endpoints with Swagger for testing and usability.
- Deployed to Azure for scalability and cloud access.

Python Web Scraper - Developer - Python, BeautifulSoup, Requests

- Developed a web scraper to extract and filter job listings from static HTML websites using BeautifulSoup and Requests to retrieve job titles, companies, locations, and applications link
- Delivered a reusable script for efficient data extraction and filtering