

Parker Bixby

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Education

Bachelor of Science in Computer Science, Software Security Concentration

Gonzaga University, Spokane, WA

Graduation Date: May 2025

Dean's List: Spring 2023 | GPA: 3.11 | Intramural Volleyball, Basketball | Gonzaga Climbing Team

Technical Skills:

C/C++, Python, Java, MySQL, Wireshark, GitHub, Node.js, HTML, Javascript,

Computer Science Experience:

Spokane Mayor's Cup CTF 2023, 2024

- Competed on a 4 person team on a Capture the Flag event held by Spokane, Washington with over 150 people in groups up to 5 people.

Gonzaga University Hackathon

- Worked with a 4 person team developing a website to allow users to make mock trades based on real prices of stocks using an API for stock trading.
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Related Courses:

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|--------------------------|---|
| - UI/UX | - Database Management Systems |
| - Software Development | - Algorithms & Abstract Data Structures |
| - Applied Cryptography | - Organized Programming Languages |
| - Internet of Things | - Computer Security & Cyber Security |
| - Operating Systems | - Python Programming |
| - Computer Organizations | - Linux/DevOps |
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Projects:

MyPI: Developing a basic programming language with a built in, lexer, parser, semantic checker, syntax analysis, code generator and virtual machine.

Mailbox Notification: Developed Python scripts and configured GPIO pins on the Raspberry Pi to notify the user when it is opened or closed via email.

Sorting Algorithms: Binary Search, Selection Sort, Merge Sort, Bubble Sort, Insertion Sort, Quick Sort

Website Development: Designed and developed a dynamic and user-friendly website for a gym review system, providing a platform for users to share their experiences, rate gyms, and write detailed reviews.

Employment History:

Thriftway: Price Verification

- Restocked products
- Assisted Customers
- Verified prices
- May - November 2020

Ace Hardware: BBQ Assembly, Retail Operations

- Customer Service
- Register Operations
- Barbeque Assembly/Delivery
- May - August 2021