

# Arthur Vicente

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## EDUCATION

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### Northwestern College

Orange City, IA

*Bachelor's Degree in Software Engineering*

*Expected Graduation: May 2026*

- **Relevant Courses:** Computer Science I & II, Cybersecurity, Data Structures & Algorithms, Database Management Systems, Networking, Principles of Software Engineering, Web Development, Project Management

## TECHNICAL SKILLS

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**Programming Languages:** Java, Python, C/C++, HTML/CSS, JavaScript, R, SQL Databases

**Frameworks & Libraries:** Springboot, JUnit, Django, Pygame, FastAPI

**Tools:** Git, Visual Studio Code, PyCharm, JavaBeans, Wireshark, RStudio, SQLiteStudio, Atlassian (Jira)

**Concepts:** Agile Programming, Software Development, API requests, Troubleshooting

## EXPERIENCE

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### Gruppy Tecnologia

Remote

*Software Engineer Summer Intern*

*Jun – Aug 2024*

- Collaborated in developing and maintaining software using Python, Django REST, Docker, and APIs.
- Worked in Agile development methodology using Jira.
- Assisted with testing and software troubleshooting.

### Northwestern College

Orange City, IA

*IT Technician Assistant*

*Sep 2022 – Present*

- **Troubleshooting and Technical Support:** Efficiently diagnose and resolve IT-related issues for students, faculty, and staff, ensuring minimal disruption to their academic and administrative activities.
- **Computer Repair and Maintenance:** Develop a deep understanding of various methods for repairing computers, addressing both hardware and software malfunctions to maintain optimal performance.
- **Customer Service Excellence:** Demonstrate strong listening and customer service skills to accurately understand and address user concerns, fostering a welcoming and supportive IT environment.

## PROJECTS

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### Spring Boot API

[View Project](#)

- A simple CRUD API for managing products, built with Spring Boot and Spring Data JPA. The API supports CRUD operations, utilizing HATEOAS for enhanced response links and H2 Database for development.
- **Technologies:** Java 11, Spring Boot 2.7.x, Spring Data JPA, H2 Database, HATEOAS, Maven, Jakarta Validation.
- **Testing:** Tested API endpoints with Postman.

### Personal Portfolio

[View Project](#)

- **Web Design:** Utilized HTML for content structure, CSS for styling, and Javascript for interactive elements, creating a modern, responsive user experience.
- **Responsiveness:** Implemented responsive design principles to ensure optimal display across various devices and screen sizes.
- **Showcase:** Highlighted projects and accomplishments with a clean, user-friendly interface for easy navigation.

### API Management System

[View Project](#)

- Developed a RESTful API using Spring Boot to manage users, categories, incomes, and outgoings with full CRUD functionality.
- Utilized Spring Data with H2 Database for efficient development and testing.
- Verified and tested API endpoints using Postman to ensure reliability and correctness.

## CERTIFICATION

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### Santander Bootcamp - Java Backend

Apr–Jul 2024

- Developed and tested REST APIs using Postman API and the Spring Framework, applying OOP principles.
- Worked with Java, Maven, and JUnit to create robust applications and ensure high-quality code.
- Skilled in working with SQL and NoSQL databases like MongoDB, and using the Stream API for efficient data handling.