

# Leon Rodriguez

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**Address:** Tallahassee, United States (Home)

## WORK EXPERIENCE

2024/08/01 – CURRENT Tianjin, China  
**COMPUTER SCIENCE TEACHER** YINGHUA ACADEMY OF TIANJIN

- **Curriculum Delivery:** Develop and teach the structured IGCSE curriculum covering core computer science topics such as; algorithms, programming, data structures, hardware, software, and the societal impact of technology.
- **Programming Instruction:** Guide students in class on learning programming languages (Java, Python) and coding practices using Visual Studio Code
- **Practical Assessments:** Oversee projects and coursework, offering feedback and ensuring technical standards.
- **Exam Preparation:** Organize revision sessions, mock exams, and teach exam strategies.
- **Classroom Management:** Create a positive learning environment, offer student support, and monitor progress.
- **Tech Integration:** Use digital tools to enhance lessons and teach online collaboration skills.
- **Professional Development:** Stay updated on tech trends and attend workshops to improve teaching methods.
- **Environment:** Taught in person, with 12 to 20 students per class

2024/04/01 – CURRENT Portland, United States  
**SUBJECT TEACHER** SAINT MARY'S ONLINE ACADEMY

- **Curriculum Delivery:** Teach live and record lessons in Computer Science(IGCSE) and Humanities (AP History).
- **Instruction & Support:** Guide students through coding projects, programming tasks, and historical analysis, offering feedback and assistance.
- **Assessment & Feedback:** Grade assignments and projects, track progress using LMS, and provide timely feedback.
- **Student Engagement:** Maintain communication via email, forums, and live sessions to ensure active participation.
- **Virtual Classroom Management:** Facilitate virtual discussions and group projects across subjects.
- **Tech Integration:** Use digital tools to enhance lessons and support both coding and humanities topics.
- **Individualized Support:** Provide tutoring and personalized feedback to meet students' learning needs.
- **Environment:** Taught online using Zoom, Classin and Jupiter, with 1:1 or small groups.

## EDUCATION AND TRAINING

2022/12/01 – 2023/12/01 Pasadena, United States  
**BACHELOR OF SCIENCE IN COMPUTER SCIENCE** University of the People

**Website** <https://www.uopeople.edu>

2007/07/01 – 2011/07/01 Tallahassee, United States  
**BACHELOR OF SCIENCE IN POLITICAL SCIENCE AND HISTORY** Florida State University

**Website** <https://www.fsu.edu/>

## DIGITAL SKILLS

### Programming Languages

R | Python | Java | JavaScript | TypeScript | HTML | CSS | Bootstrap | SQL | MongoDB

### Tools & Platforms

Microsoft 365 | Microsoft Azure | Microsoft Dynamics 365 | Asana | JIRA | Git | Docker | GitHub | Heroku

## • PROJECTS

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### Personal Projects

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#### Software Requirements & Design

- Designed robust software requirements by modeling process workflows using flow diagrams and UML, creating use cases and unit tests, and determining timelines for implementation.

#### Open Source Contribution – Leetcode & Discord Integration

- Contributed to an open source application integrating the Leetcode website with Discord by writing Object-Oriented Python code to interact with Leetcode APIs, store user statistics and metadata in a NoSQL tinydb database, generate weekly challenges using custom algorithms, and managing releases through Asana's project management software.

#### Full-Stack Web Application Development

- Contributed to an open-source full-stack web application using TypeScript, NodeJS, and ReactJS for the frontend, Python Flask API for the backend, MySQL database, Docker for cross-platform support, and an Ubuntu Linux server hosting the service through nginx.

#### Linux System Management & Troubleshooting

- Worked with Linux on the Steamdeck and personal laptop to manage programs and files for games, including formatting drives, reinstalling the SteamOS / ArchLinux, and troubleshooting software.

#### Microsoft Certifications

- Independently using Microsoft SaaS products, including concepts in AZ-900 Azure Fundamentals, AZ-104 Azure Administrator Associate, and MB-910 Dynamics 365 Fundamentals (ERP). I am actively studying course materials and practicing with Azure features on my own. Additionally, I am experimenting with hosting my own websites with Azure, using what I've learned to gain practical experience in cloud deployment and management, as well as studying Dynamics 365 ERP tools to deepen my understanding of business processes.

## • LANGUAGE SKILLS

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### Mother Tongue

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- English

### Additional Languages

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- **Intermediate:** Chinese
- **Beginner:** Spanish

## • CERTIFICATES & PERSONAL DEVELOPMENT

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### Personal Development

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- **IGCSE Computer Science Marking Workshop**

Cambridge International

2024/11/01 – 2024/12/01 United Kingdom

<https://www.cambridgeinternational.org/support-and-training-for-schools/professional-development/syllabus-specific-courses/marketing-workshops/>

### Certificates

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- **Google UX Design**

Google

2022/09/01 – 2022/09 United States

<https://www.coursera.org/professional-certificates/google-ux-design>

- **Google IT Support**

Google

2022/08/01 – 2022/08/31 United States

<https://www.coursera.org/professional-certificates/google-it-support>

- **Google Data Analytics**

Google

2022/07/01 – 2022/07/31 United States

<https://www.coursera.org/professional-certificates/google-data-analytics>