Christian A. Garcia

+1 (219)-363-1911 • Marshfield, WI 54449 • christian.garcia@valpo.edu
https://www.linkedin.com/in/chrgarcia19 • https://github.com/chrgarcia19

EDUCATION

Valparaiso University   Valparaiso, IN
Bachelor of Science in Computer Science, Minor in Mathematics   August 2020 – May 2024
  GPA: 3.854/4.000, Major GPA: 4.000/4.000   *Dean's List* – 2020-2023   CIS *Commit* Award

WORK EXPERIENCE

Department of Computing and Information Sciences at Valparaiso University   Valparaiso, IN
Technical Support Specialist   August 2023 – May 2024
- Installed and configured Ubuntu Linux on ~20 lab systems, mounting storage and integrating NIS and LDAP for centralized authentication and administrative data sharing
- Automated system provisioning and software deployment using Ansible with custom YAML playbooks
- Coordinated with the lab administrator to standardize system environments and implemented rsync/Grsync backup solutions to ensure system integrity and recovery

Teaching Assistant   August 2022 – May 2024
- Supported undergraduate students in introductory and intermediate computer science courses through personalized tutoring and lab assistance, focusing on debugging, computational thinking, and problem-solving
- Communicated foundational computer science concepts—such as algorithms, data structures, and programming languages—tailoring explanations to accommodate diverse learning styles and technical skills

New Prairie High School   New Carlisle, IN
Information Technology Staff   June 2019 – July 2019
- Collaborated with a six-person team under IT staff supervision to prepare ~1,200 iPads by inspecting hardware condition, resetting devices, verifying configurations, and ensuring compliance with department standards
- Organized and stored devices by following inventory procedures to support accurate tracking and efficient deployment

PROJECTS

"Cash Money" Citations • https://github.com/chrgarcia19/cashmoneycitations   January 2024 – May 2024
- Collaborated with a team of four to develop a full-stack bibliography management web application using Next.js and MongoDB, hosted on an Apache2 server
- Integrated the open-source Citation Style Language (CSL) library to standardize reference formatting, improving compatibility with tools like Zotero and RefWorks
- Designed and implemented RESTful API endpoints to perform CRUD operations on reference data, enhancing database interaction and user experience

Driving Time Tracker • https://scholar.valpo.edu/cus/1097/   January 2022 – May 2022
- Developed a mobile app using Swift and SwiftUI with MVVM architecture to assist Indiana residents learning to drive
- Collaborated with a team of three to gather customer requirements and implement user-focused, functional features
- Built features to track user compliance with Indiana driving regulations, improving app usability and legal adherence

Paint • https://github.com/chrgarcia19/Paint-n-Suffering   September 2021 – November 2021
- Developed a Java/JavaFX image editing application with features comparable to Microsoft Paint, using Agile methodologies to meet tight deadlines
- Designed UML diagrams and maintained Javadoc documentation to communicate software architecture and functionality
- Implemented unit testing to ensure code quality and maintainability throughout development

PROFESSIONAL ENGAGEMENT

Association for Computing and Machinery (ACM) – President, Webmaster   March 2022 – May 2024
- Presented computing topics and professional development tools to the university community through multiple outreach and engagement events
- Fostered a regular speaker series focused on interdisciplinary topics at the intersection of computing and other fields, enhancing member engagement and knowledge sharing

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, HTML/CSS, Java, Python 3, C, C++, Go, Ruby, Swift, PHP, Scala, R, Rust, Clojure, Lisp
Frameworks & Libraries: Next.js, React, Ruby on Rails, SwiftUI, HeroUI, JavaFX, Java Swing, JUnit
Databases: MongoDB, MySQL, SQLite, Neo4j
Developer Tools: Git, GitHub, UNIX Shell (bash, zsh, sh), Visual Studio Code, Apache HTTP Server
Operating Systems: Linux (Manjaro, Ubuntu, Fedora), Windows, macOS
Concepts: Model-View-Controller (MVC), Model-View-ViewModel (MVVM), Unified Modeling Language (UML)
Additional Tools: LaTeX, Parallel & Distributed Tools (OpenMP, MPI, CUDA), Wireshark, Ansible