

Ricardo Rodriguez

St. Paul, MN | ricardorod0218@gmail.com | 651-307-4901

Education

University of St. Thomas, St. Paul, Minnesota

Graduation: May 2022

Bachelor of Science in *Computer Science, Double Major in Data Analytics*

Related Skills

Languages: Python, Java, SQL, HTML, CSS, PHP, JavaScript, C, R, Linux & Windows command line

Development tools: VS Code, Github, GIT, Rstudio

Non-Technical: Independent, goal-oriented, communication

Experience & Employment

Software Engineer Intern, Medtronic

June 2021 – August 2021

- Wrote Python script to automate transfer of Polaris cathode quality images to Amazon Web Services S3 storage
- Used Amazon Web Services command line interface to create S3 buckets and populate with data
- Tracked own progress of project and met 100% of the summer's goals

Associate Software Engineer, SPS Commerce

June 2020 – May 2021

- Worked with an Agile team on Electronic Data Interchange (EDI) software
- Worked with parsing several data formats XML, JSON, CSV and mapping them to other formats
- Used Java for development, with GIT for version control to complete 909 Jira tickets

Software Training Content Developer, Maverick Software Consulting

June 2020 – September 2020

- Updated trainings for industry software development technologies
- Researched current industry standards to decide if current trainings were obsolete
- Practiced to a beginner's level with unit testing (JUnit) and using the development platform (.NET)

Computer Science Tutor, University of St. Thomas

September 2019 – March 2020

- Guided students to solutions to programming problems in C, Python, Java, and JavaScript
- Communicated technical problems with other students
- Maintained a positive learning environment with a patient and supportive attitude

Research Experience

University of St. Thomas, Research Assistant, St. Paul, MN.

June 2019 – August 2019

- Created a data pipeline with Python scripts on a Linux server to analyze genomes of bacteria
- Presented my research to other MIAC schools
- Published in a peer-reviewed journal, *Antimicrobial agents and chemotherapy*

Publications

Happy-Sarah L. Kim, Ricardo D. Rodriguez, et al. "Identification of a Novel Plasmid-Borne Gentamicin Resistance Gene in Non-Typhoidal Salmonella Isolated From Retail Turkey." *Antimicrobial agents and chemotherapy* (2020): n. pag. Web. <https://doi.org/10.1128/AAC.00867-20>

Honors and Awards

Aquinas Scholars Honors Program, University of St. Thomas

May 2019 - present

Science, Mathematics, and Engineering Scholarship, University of St. Thomas

September 2018 – present

Research Products Corporation Scholarship, Aprilaire

September 2018 – present

Leading E.D.G.E. Award, UST Biology Department

May 2019

Catalyst Award, UST Chemistry Department

May 2019