

# Jackson Joseph Rini

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## Education

**University of Colorado, Boulder**

**August 2019 - Present**

- **Major:** Computer Science
  - **Degree:** Bachelor of Science
  - **Expected Graduation:** Spring 2024
  - **Relevant Coursework:**
    - Data Science with Probability and Statistics, Software Development and Management, Computer Systems, Data Structures, Cybersecurity, Robotics, Advanced Data Science, Design and Analysis of Operating Systems, Data Mining, Computer Security
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## Technical Skills

- **Languages-** C++, C, Java, HTML, CSS, MySQL, Node.JS, React.JS, Scala, Javascript, Python, Pandas, NumPy, SciPy, Seaborn, Selenium, Pytesseract, OCRmyPDF, matplotlib
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## Projects

- Superpowers, CU Boulder Capstone - August 2023 - Current
    - Aims to automate the entire Venture Investment Opportunity Discovery and Evaluation process.
    - Currently serving in a database and data processing and analysis capacity.
  - Data Mining and Used Cars - August 2023 - December 2023
    - Developed algorithm that predicts future car prices to aid in car purchasing decisions.
    - Utilizes Random Forest and Gradient Boost Regression with machine learning hyperparameter optimization.
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## Experience

**Vanderbilt University Medical Center - Intern; Nashville, Tennessee**

**May 2023 - August 2023**

- Developed process for Vanderbilt Ingram Cancer Center's Clinical Trial Office to automate the creation of invoiceable items within their Clinical Trials Management System (Oncore).
- Project generates incremental annual revenue of >\$500K.
- Utilized Selenium, OCRs, and data scrapers.

**Digital Global Systems - Intern; Tyson, Virginia**

**May 2022 - August 2022**

- Developed programs in C to change levels of gain of radio frequency boards.
  - Optimized Python program that records and graphs gain data using NumPy and Pandas.
- Created Python scripts to download FCC frequency data and perform Data preprocessing and cleaning.

**fortyAU - Intern; Nashville, Tennessee**

**January 2021 - August 2021**

- Developed pages and forms for Preston Taylor Ministries. (<https://prestontaylorministries.org/about/>)
- Created pages and forms for MedRenewel, a medical license renewal company. (<https://medrenewal.com/>)
- Bootstrapped CrushConnection app.
- Constructed pages for HomeworkHotline, a tutoring service in Nashville (<https://homeworkhotline.info/>)
- QA for ForeFront Telecare, Potluck, and Cumberland websites.

**Cleveland Clinic - Intern; Cleveland, Ohio**

**March 2018 - May 2018**

- Assisted in Cleveland Clinic website creation using JavaScript and HTML
  - Patient information form management
  - Used SQL to create an efficient way to organize data for patient information.