

jdecock17@gmail.com

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St. Louis, MO

| [GitHub](#) | [LinkedIn](#) |

he/him/his

Summary

I'm a driven individual with 4+ years of professional experience, expecting to graduate with my M.S. in Information Systems in winter 2026. I'm passionate about software development, systems design/architecture, and systems/database administration. I'm an efficient problem-solver with proficiencies in a wide range of programming languages, automation technologies, data manipulation tools, and more. My professional experience is primarily in automation scripting and database reporting, and my ever-growing portfolio of personal open-source software development projects can be seen on my public Github account.

Skills

Programming Languages

- Go (formerly Golang)
- Python
- C++
- JavaScript
- HTML/CSS

Software/Tools

- Git/Github
- UNIX Command Line
- Docker
- Qualtrics

Database

- Oracle (PL/SQL)
- Postgres (PL/pgSQL)
- MS SQL Server (TSQL)
- MongoDB (NO-SQL)

Data Manipulation/

Visualization

- Alteryx
- Tableau
- Matplotlib/Seaborn
- Plotly

Experience

Saint Louis University, St. Louis, MO | July 2023 - Present

Systems Specialist - Student Financial Services | October 2024â€"Present

- Design & develop systems for administering federal and institutional financial aid
- Utilize data manipulation tules like Alteryx and scripting languages like Python and Javascript to automate processes
- Write SQL reports for high-volume Oracle databases, particularly the Ellucian Banner SIS (student information system) database
- Write scripts (primarily in Python) to generate SQL INSERT and UPDATE statements that automate Banner processes
- Automate survey response collection in Python using the Qualtrics API

Federal Work Study Coordinator | July 2023â€“October 2024

- Managed FWS (Federal Work Study) program
- Redesigned FWS community service agreement process in Qualtrics
- Analyzed FWS vs. non-FWS Student Worker data to find opportunities to maximize FWS spending, resulting in an additional ~\$600,000 in funds being spent
- Designed electronic surveys in Qualtrics to digitize paper forms
- Customized Qualtrics surveys using embedded JavaScript to improve survey quality & accessibility

Washington University School of Medicine, St. Louis, MO | June 2022 - July 2023

Planning Assistant - Operations & Facility Management | June 2022â€“July 2023

- Provided project support on the BJCIIH Vertical Expansion Project, the Neuroscience Research Building, and the Ambulatory Cancer Building
- Coordinated and documented executive level meetings
- Created reporting materials using the Microsoft Office Suite, Adobe Acrobat, etc.

East West Gateway Council of Governments, St. Louis, MO | Jan. 2022 - June 2022

Urban Planning Intern | Jan. 2022â€“June 2022

- Studied urban planning principles, provided support to and observed several local planning projects

Education

M.S. Information Systems, Saint Louis University | 2024-Present

B.A. Educational Studies, Webster University | 2018-2022

Open Source Projects

jdeko.me - personal website

- REST API design
 - NBA/WNBA statistics site
 - Logging into MongoDB
 - Apache Web Server
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