(520) 360-9985 | camilagrubb@gmail.com | https://camilagrubb.netlify.app/ | github.com/CG020

Camila Grubb

Professional Summary Highly motivated and driven Computer Science BS student expected to graduate May 2025. Has hands-on experience in data science, software engineering, and machine learning through research and coursework. Contributions as a student researcher include writing/optimizing Python scripts for data analysis and leveraging machine learning models to solve real-world problems in the medical industry. Experienced in leading laboratory teams and contributing technical and collaborative skills to new innovative projects and organizations. Adaptable worker and fast learner.

Skills

- Spanish
- Python/Python Libraries (Scipy, NumPy, Pandas, Matplot)
- HTML/CSS
- JavaScript

- Java
- GitHub Version Control
- Customer Service
- Teamwork/Leadership
- Communication
- VSCode

- Microsoft Products
- Research/Publication
- Agile Methodology
- NLTK, Transformers, Pytorch
- ReactJS

Education Bachelor of Science Computer Science | (Aug 2021 - May 2025) | University of Arizona | Tucson, AZ
Minor in Business Administration | (Aug 2021 - May 2025) | University of Arizona | Tucson, AZ
Certificate in General Cybersecurity | (Aug 2022 - May 2025) | University of Arizona | Tucson, AZ

Experience **Research Lab Assistant (Arizona Center for Accelerated Biomedical Innovation)**
University of Arizona Sarver Heart Center | Tucson, AZ | (August 2022 - December 2024)

- Designs and implements code-based solutions for complex research projects, managing a multidisciplinary team to ensure timely execution of experiment plans.
- Optimizes Python scripts for data parsing, transformation, and statistical analysis, reducing data processing time by several hours.
- Leverages machine learning models and bioinformatics libraries (SciPy, Pandas, NumPy) to identify biological markers from experimental data, enabling more targeted research.
- Verifies the efficacy and usability of Large Language Models (ChatGPT 4, Claude Sonnet, Google Gemini) for their benefits and detriments to research and scenarios.
- Prepares papers and presentations for professional medical conferences (ASAIO & ASN)

ADVANCE Kidney Research Project (Lead Role)
University of Arizona Banner Medical Center | Tucson, AZ | (May 2024 - August 2024)

- Directed a research team to develop experiment plans and Python scripts, successfully evaluating the efficiency of medical sensors.
- Facilitated collaboration across engineering and medical teams, fostering clear communication and on-time project delivery.
- Configured and calibrated sensors for real-time data acquisition using TI hardware and custom Python scripts, achieving precise control over experiments.
- Utilized version control systems (Git, GitHub) for maintaining code repositories.

Design Lab Intern
University of Arizona Design Labs | Tucson, AZ | (February 2023 - May 2024)

- Developed and prototyped software solutions for client companies, including APEX Applied Technologies, addressing complex technical challenges.
- Conducted requirements gathering, developed technical specifications, and collaborated with cross-functional teams to deliver product designs on time.
- Researched and identified funding opportunities and cost-effective website resources, reducing financial burdens for the company.