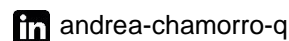
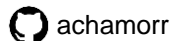


Andrea Chamorro Quillupangui

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EDUCATION

University of Colorado Boulder, Engineering Honors

May 2021

- B.S in Computer Science (3.80 Major GPA)
- Minor in Business & Management, Finance and Analytics Track

GPA: 3.63

INTERSHIPS

Goldman Sachs | *Engineering Summer Analyst* | New York, NY

Incoming (July 2020)

- Learned **AWS cloud technologies**, **oversaw testing** for adoption of a new **data security** technology for TxB, **communicated business value** and shortcomings directly to AWS execs and GS execs, resulting in change to the tool from AWS, as an intern. **Consultative** and **unit testing** work in highly collaborative two-person environment.

Intel | *Firmware Engineer Intern, R&D* | Longmont, CO

January 2019 – present

- 1 ½ years of experience automating firmware processes in Python, C++ and data management, overseeing and implementing entire development flow of my tool, from **tool architecture, implementation, testing, and adoption & training**, part of cutting-edge development to save the company multiple years development hours. **Compilers, unit testing, scripting, white paper, documentation**, presented at internal conference & **3 patents** submitted.

RESEARCH & TEACHING

University of Colorado | Debanjan Lab | *Scientific Modeling Researcher* | Boulder, CO

Summer 2020 – present

- Coding active and passive agent **simulation modeling** airborne viral spread during 2020 COVID-19 pandemic, translating mathematical models into code, optimizing for **high-performance**.

ATLAS Institute | Unstable Design Lab | *Frontend Research Assistant* | Boulder, CO

Fall 2018

- Extended the functionalities of web app AdaCAD to allow data visualization in smart textile fabrics. Developed **AngularJS data analysis** through **Python**, developing **UI design** and **Agile** development skills.

University of Colorado | Computer Science Department | *Course Assistant* | Boulder, CO

Fall 2018

- Taught probability, statistics, binary logic, and mathematical programming concepts, manage online forums, developing teaching and presentation skills, created problem set solutions in **LaTeX**. Helping others.

Colorado State University | REU | *Software Maintenance Researcher* | Fort Collins, CO

Summer 2018

- Created WikifyDocs, a Java tool that leverages Wikipedia definitions to bring us closer to more accessible, automatically enhanced developer documentation. **Independent project** and self-managed.
 - **2nd Place** for WikifyDocs **graduate student competition** at the IEEE International Conference on Software Maintenance and Evolution in Madrid, Spain.

Mindscribe | *NLP Research Assistant* | Boulder, CO

Fall 2017 & Spring 2018

- Learned **natural language processing** techniques, early childhood psychology and **user centered design**.
 - **2nd Place** at Student Design Competition in 2018 Conference on Human Robot Interactions, Chicago, IL.
 - **Published co-author** of paper: "MindScribe: Reflective Inquiry through Scaffolded Storytelling for Low-Income and Multilingual Early Childhood Communities"

TOP SKILLS & HONORS

- | | | |
|------------------------|----------------------------|-----------------------------|
| • Python, C++ | • Infrastructure, Backend | • Product Management |
| • AWS Tech Stack | • Software Development | • OS and Networking |
| • User Centered Design | • Documentation & Training | • AI, ML, Clustering Basics |

Hackathon: PennApps, creating WikiWiz, Chrome extension bringing the knowledge of Wikipedia to your fingertips

On-Site Investments Training: 2019 JP Morgan Corporate and Investment Banking Women's Conference

2020 Intel Scholar, McNair Scholar, Inspirational Public Speaker at Latinitas, 2020 VMware CodeHouse Competitor

LEADERSHIP

President | Society of Hispanic Professional Engineers | Boulder, CO

Fall 2017 – Present

- Help members get access to top tech. **Serve my community** by mentoring High school students in STEM skills, attended **leadership training** year-round, focus on community-building and **team management** of officer team.