Andréa C. Mackie

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EDUCATION

University of Pennsylvania
Master of Computer Science and Information Technology   *Expected: December 2021*
Coursework: Data Structures and Software Design, Mathematical Foundations of CS, Algorithms & Computation

Colorado School of Mines
Bachelor of Science, Petroleum Engineering (3.3/4.0)   May 2017
Engineer in Training Certification (Passed Fundamentals of Engineering Exam)

WORK EXPERIENCE

Schlumberger – Houston, Texas   **November 2019 – Present**
Control and Automation Engineer
- Develop and debug propriety software written in C# in Visual Studio and document software flow
- Work with clients (E&P majors) to change software code based on their needs
- Build HMI screens and program PLCs for managed pressured drilling applications using Siemens software
- Document software process and releases on proprietary platform

Peloton Computer Enterprise – Denver, Colorado   **October 2018 – November 2019**
Software Implementation Consultant
- Liaised with client on a day to day basis to customize software based on client workflow and KPIs
- Software deployment on Prem and SaaS of .NET applications on client servers, run scripts in SQL to build database for software, configure scheduled tasks on Windows
- Worked with Software Developers to create custom add-ins based on client need
- Responsible for technical support and any other services regarding application/application deployment
- Tested applications, setting up database security, responding to client feedback, installations, maintenance and performing trainings

Ampelmann – Houston, Texas
Offshore Project/Operations Engineer   **March 2018 – October 2018**
One of two engineers taking care of the entire Americas region

Baker Hughes, a GE Company – Houston, Texas
Global Operations Engineering Intern   **June 2017 – January 2018**

SELECTED PROJECTS

LushPawsCrew (HTML/CSS, JavaScript)
- Designing and developing a website for pet lovers to share their favorite items and reviews (currently ongoing).

AnimeBot (Java, Springboot, JSON, Slack Bot, JBot Framework)
- Used JSON and the Jikan API to fetch data from MyAnimeList.net to return any information regarding Anime and Manga. AnimeBot recognizes over 40+ questions that can be asked by a user and can be used on any Slack workspace.

Tournament Tracker (C#, Visual Studio, WinForms)
- Created a soccer tournament tracker for a neighborhood event.

ENGINEERING/TECHNICAL SKILLS

Java | MATLAB | C# | VBA | SQL | Visual Studio | Git | GitHub | Project Management

RELEVANT ORGANIZATIONS AND AWARDS

- **Bridging the Ethnic Divide in Tech –** Founder and Director, University of Pennsylvania   2020 – Present
- **GitHub Education –** Campus Expert Training, University of Pennsylvania   2019 – Present
- **Colorado School of Mines –** Dean's List Award   2017
- **Oredigger Mentor –** Mentor for incoming freshman during Undergrad   2014 – 2017

LANGUAGES

English and Spanish (native language)