GREGORY JUNG

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SUMMARY

Adaptable educator with a proven track record of leveraging technology to enhance student learning experiences and achieve outstanding results in performances. Transitioning to software development with proficiency in Python, JavaScript, PHP, and SQL, alongside ongoing training in web development. Eager to apply leadership, creativity, and problem-solving skills honed in education to contribute effectively to software projects and drive organizational success.

PROJECTS/SKILLS

- **EdiVision -** The desktop app (Python) was created to scan paper surveys from exit polls in various states during election season. Scanned batches of surveys would be parsed using OpenCV to determine answers filled in with by survey takers. The program also allowed users to create custom keys for each unique survey. While parsing, if an answer was not easily determined by the algorithm, then a pop up would appear to prompt the user to enter an answer along with an image of the question. Project was similar to Scantron but with more flexibility. Built for Edison Research.

- **Wargame Manager -** A Web App (React) designed to build and manage a roster for the tabletop skirmish gaming. The app featured use of react hooks, context management as well as themes and connecting to a custom built API written in python (fastAPI) originally but now being reworked with Postgres.

- **Data Analysis & Visualization:** Proficiently visualize and analyze data frames using pandas, seaborn, scikit, and matplotlib. Applied data analysis skills to make informed recommendations in finance and research applications.

- **SQL & Database Management:** Demonstrated proficiency in SQL functions and database manipulation, specifically in PostgreSQL and MySQL.

- **Web Development:** Learned and implemented JavaScript, PHP, CSS, and HTML, while working at Edison Research, also completed The Odin Project course.

EXPERIENCE

Project Coordinator/Manager, Edison Research; Somerville, NJ — Oct 2021 - Dec 2023

- Developed Python-based automation software using OpenCV, slashing survey data entry workload by 80% and redirecting resources for pivotal tasks, demonstrating innovation and efficacy.

- Recruited a diverse, skilled team of reporters for election day coverage for multiple states, ensuring timely vote count updates and bolstering network credibility through successful reporting, highlighting effective leadership under pressure.

- Enhanced software efficiency by resolving issues and optimizing internal systems written in PHP, JavaScript, SQL, and Python, significantly improving functionality and performance for our election team operations.

- Maintained functionality of internal API endpoints utilizing Flask API principles. Ensured seamless communication and data exchange between systems, optimizing performance and reliability to support critical business operations.

- Developed Python scripts to automate repetitive tasks, resulting in significant time savings for both myself and colleagues, fostering a more efficient and collaborative work environment.

- Acquired SPSS proficiency to facilitate meaningful data delivery to market research clients, enhancing data analysis team capabilities.

- Utilized Alchemer and Qualtrics to design and implement surveys, facilitating seamless data collection for our analysis team. By meticulously crafting surveys tailored to client needs, I ensured accurate and comprehensive data delivery, ultimately enhancing our ability to provide actionable insights and exceed client expectations.

Choral Music Teacher, East Brunswick High School; East Brunswick, NJ — Sep 2016 - Jun 2018

- Leveraged classroom technology to facilitate interactive and student-driven learning experiences, aligning with modern pedagogical approaches.
- Mentored students in preparation for prestigious honor choir auditions (CJMEA, NJMEA, NAfME), demonstrating coaching and skill development abilities.
- Orchestrated Superior and Exemplary-rated performances at music festivals and competitions, showcasing a commitment to excellence and attention to detail.
- Presented talents at esteemed venues such as Carnegie Hall and the NJMEA convention in Atlantic City, showcasing adaptability and poise under high-pressure environments.

Choral Music Teacher, Highland Park High School; Highland Park, NJ — Sep 2011 - Jun 2016

- Integrated cutting-edge educational technology into choral, general, and AP Music Theory classes, fostering a tech-forward learning environment analogous to the innovation and adaptation.
- Incorporated Music Tech/Composition using GarageBand in middle school General Music classes, introducing new tools and methodologies into learning.
- Secured funding through grant writing for Guitar and Keyboard lab for General Music, exhibiting resourcefulness and initiative.
- Managed the Central Jersey regional mixed honor choir and engaged choirs with college choral directors as invited guest clinicians, demonstrating leadership, collaboration, and networking.

Private Music Teacher — 2009-Current

- Taught private lessons in Voice, Piano, Guitar and Violin.

Choral/General Music Teacher, Wall Intermediate School; Wall Township, NJ — Sep 2006 - Jun 2009

- Taught choral and general music to grades 6-8.

General Music Teacher, Teaneck Community Charter School; Teaneck, NJ — Sep 2004 - Jun 2006

- Taught choral and general music to grades K-8.

CERTIFICATIONS/PROFESSIONAL DEVELOPMENT

- The Odin Project (Web Development) — theodinproject.com — June 2024
- Python for Data Science and Machine Learning Bootcamp— Pierian Data on udemy.com — 2021
- SQL Bootcamp — Pierian Data on udemy.com — 2021
- Complete Python Bootcamp — Pierian Data on udemy.com — 2019

EDUCATION

Rutgers University, New Brunswick, NJ — Master of Music Education; Jan 2017
The College of New Jersey, Ewing, NJ — Bachelor of Music Education; May 2004