

Tracey Tessier

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<https://digital-resume-tessier.com> | <https://lexidden.com>

Tenacious and enthusiastic problem-solver fluent in a broad array of languages and frameworks including Python, React.js, JavaScript (ES6+), SQL, NoSQL, Linux, Git, GitHub, AWS. Skilled in communication, collaboration, time-management, attention to detail, and learning new technologies. Code Samples: <https://github.com/tessierr>

SKILLS AND ACCOMPLISHMENTS

- SOFTWARE DEVELOPMENT: Python | Django | JavaScript | ReactJS | SQL | HTML5 | CSS3 | AWS | Git
 - Amazon Web Services Certified Cloud Practitioner (Lambda, S3, RDS, EC2, Serverless, Security, etc.)
- DATA ANALYSIS: Data Visualization | Machine Learning | Statistics | ETL | Python Libraries (Pandas, NumPy)
- AUTOMATION: Automated the identification of white matter lesions in MRIs, cutting assessment time by 30%
- OPTIMIZATION: Computationally enhanced the quality of MRI imaging modalities by an average of 25%
- API INTEGRATION: Python | Django | JavaScript | React | PostgreSQL | RESTful APIs – lexidden.com
- ECOMMERCE: Responsive Design | JavaScript | React | NodeJS | MongoDB - creativecrafting.dreamhosters.com

WORK EXPERIENCE

ADJUNCT PROFESSOR | Quinnipiac University, Hamden, CT

Aug 2019 – Present

Clearly communicate technical information and abstract concepts to and guide the learning of a diverse mix of approximately 100 traditional and nontraditional students each semester.

CODE BOOTCAMP STUDENT | Nucamp, Stamford, CT

Jun 2023 – Apr 2024

Ten-month course sequence: Modern Software Development (Back-End) and DevOps (Apr 2024 – Graduated with Honors) & Full Stack Web Development (Nov 2023 – Graduated with Honors). Major topics include:

- Software Development Life Cycle, CI/CD, Cybersecurity, Cross-Browser Compatibility, Agile Development
- Unit and Integration Testing, Code Reviews, Troubleshooting, Debugging, and Documentation
- Docker, Kubernetes, CI/CD, and Cloud Computing (AWS, Google Cloud, and Microsoft Azure)
- RESTful Web Services, The Python Ecosystem, Django, and Flask
- Database Design, Complex SQL Queries, PostgreSQL, NoSQL (MongoDB), and ORM Libraries
- Front-End Development and Responsive UI/UX Design with JavaScript, ReactJS, and Bootstrap

PYTHON DEVELOPER | Mind Research Network, Albuquerque, NM

Feb 2017 – Apr 2019

- Devised and implemented a data analysis pipeline consisting of 7 statistical transformations, noise reduction mechanisms, and machine learning models, culminating in 20% cleaner and study-optimized digital brain scans.
- Collaborated with a cross-functional team of 15 individuals comprised of statisticians, medical researchers, MRI technicians, and software developers to improve multiple aspects of MRI image analysis and diagnostic techniques.

EDUCATION

B.S. Computer and Information Science | University of Massachusetts, Amherst - Graduated Cum Laude

Ph.D. Physics, Quantum Computing | University of New Mexico – Dissertation Passed with Distinction