COLBY GATTY

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PROFILE

A highly motivated and intellectually driven student at Western Governors University, with a strong foundation in both Design and Computer Science. Passionate about technology and dedicated to making a meaningful impact in the tech industry.

SKILLS & ABILITIES

- Analytical Thinking
- Artistically Driven
- Adobe Creative Suite
- Microsoft Office Suite
- MicroStrategy
- Docker
- Figma

- Innovative Problem-Solving
- Advanced Technical Proficiency
- Java
- React.js
- Javascript
- Html
- CSS & Sass

- Project Management
- Collaborative Leadership
- TypeScript
- SQL
- Flutter/Dart
- Node.js
- Git/GitHub

EDUCATION

WESTERN GOVERNORS' UNIVERSITY   JANUARY 2023 – PRESENT
Bachelors in computer science – GPA 3.8 – Expected graduation Spring 2026. Solidified a strong technical foundation through a comprehensive curriculum, covering key areas such as software development, data structures, algorithms, database management, discrete mathematics and more.

MODESTO JUNIOR COLLEGE   AUGUST 2019 – GRADUATED APRIL 2022
Associates in computer graphics – earned an associate degree in computer graphics with an emphasis in graphic design, honing design skills in UX/UI and mastering complex software tools.

WORK EXPERIENCE

G3 ENTERPRISES, SOFTWARE & DATA ENGINEERING INTERN   JUNE 2024 – PRESENT
Specialized in back-end & front-end development, focusing on enhancing data and analytics in G3's enterprise-level systems such as their Customer Portal, OTM, SAP Hana, and more. Established data quality, security, and AI within these systems by utilizing React & Typescript in the customer portal along with SQL, creating bots, and building analytical dashboards for various use cases.

DIGITAL NEST, WEB DEVELOPMENT INTERN   DECEMBER 2023 – SEPTEMBER 2024
Contributed to a wide range of full-stack development projects, coding websites for clients and internal software for Digital Nest. Not only enhanced technical skills by working with tools like React, Docker, Firebase, TypeScript, Figma, and more, but also designed the UX/UI of client sites and software.

ALPINE CLIMBING, TEAM MEMBER   NOVEMBER 2021 – FEBRUARY 2024
Developed key collaboration skills in a team setting while ensuring a safe climbing experience. Reinforced ability to effectively contribute to a team and engage in constructive problem-solving.

ART BY COLBY, ARTIST   NOVEMBER 2017 – DECEMBER 2022
Founded a small art business at 16, continuing to create and sell paintings and digital art to this day. Made a community impact by having artworks auctioned for over $1,000 at various local fundraisers.

PROJECTS

NEURAL NETWORK FROM SCRATCH   AUGUST 2024
As a passion project, built a convolutional neural network from scratch in Java to recognize MNIST digits. Coded convolution, max-pooling, and fully connected layers. Added functionality to train and save models and developed a simple UI for users to draw digits and receive the network's prediction, making it interactive.

VACATION BOOKING SYSTEM   JULY 2024
Developed a Spring Framework Java backend to modernize a travel agency's booking system for an advanced Java class final project. Implemented controllers, entities, DAOs, and services, ensuring seamless integration with an Angular frontend. The application supports booking vacations, excursions, and more.

CAREER HARVEST   FEBRUARY 2024
Career Harvest is internal software for Digital Nest, created by a team of six interns to streamline job opportunity gathering by scraping various platforms and consolidating job listings. As the lead front-end developer, designed and coded most of the front end using React, TypeScript, and SCSS. The platform is now the primary tool used by the career services department, greatly improving their job placement process.

CERTIFICATION

AI ENABLED BUSINESS INTELLIGENCE CERTIFICATION   DECEMBER 2024
Earned a certification in MicroStrategy AI tools, focusing on Auto Answers, dashboard automation, and LLM-concepts for forecasting and trend analysis.