

- JUSTIN MORGAN -

Fullstack Software Engineer | Project Management | Data & Analytics | Certificate in Software Development

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Driven and innovative Fullstack Software Engineer with expertise in Ruby, Rails, React, Javascript, and PostgreSQL. Designed and developed 5+ customized learning pathways in Computer Science for independent school systems. Consistently drives quality data generation for analysis and develops remediation processes to improve prioritized outcomes, resulting in increased customer satisfaction and retention. Collaborative leader with a passion for people and nurturing relationships to boost productivity; high level of grit and perseverance. Visit sample portfolios at <https://github.com/justinmmorgan21/> and <https://justinmorgan.onrender.com>

CAREER HIGHLIGHTS

- **Curriculum Design:** Developed technical course curriculum and delivered instruction for an AP high school course that taught Java, OOP, and complex algorithms, resulting in 324 students passing the AP Exam and earning college credit; amounted to a total savings of \$1MM for these students in college tuition.
- **Technical Expertise:** History of learning and educating others on how to utilize cross-functional technology languages, applications, frameworks, and systems including: Java, Python, HTML5/CSS, JavaScript, Typescript, Ruby, Rails, React, PostgreSQL, Bootstrap, REST, CI/CD, Docker, AWS, Encompass, Office 365, Postico 2, HTTPie, IntelliJ, Node.js, SQLite, SQL, and VS code.
- **Operations Optimization:** As a Loan Originator for North Pacific Mortgage, streamlined the loan process for clients through early adoption of company's mobile app, and 100% implementation of automated tools for a faster closing, reducing worktime by 20% and increasing customer satisfaction.

SIGNATURE QUALIFICATIONS

Risk Mitigation
Algorithms
Cost Optimization

Stakeholder Management
Software Engineering
Object-Oriented Programming

Strategic Planning
Team Leadership
Data Structures

PROFESSIONAL EXPERIENCE

Data Analysis & Software Engineering Teacher • Frisco Independent School District

2020 – Present

Oversaw a roster of 150+ students YoY across 6 sections and 4 separate courses for a \$950MM high school ranked in academic performance in the top 2% in America, driving an academic mastery increase of 56% in course content.

- **Cost Reduction:** Built efficient tools for use in the grading process and to automate exporting/importing between grading systems, resulting in a 90% and 80% respective reduction in time to complete these tasks, saving 6 hours/week in labor costs.
- **Data Structures:** Created an advanced post-AP course from the ground up in the complex topics of data structures and recursion, effecting an 88% rise in computer science participation, including an increase of 0 to 50 students in the rigorous post-AP course.
- **Technical Leadership:** Coached robotics team and competitive coding club, earning state and regional awards, resulting in a 30% rise in extracurricular participation and a 15% increase in student interest in pursuing a computer science degree in college.
- **Coaching:** Mentored a new teacher, providing support with curriculum, lesson planning, problem-solving, classroom management, instruction, and assessment, resulting in a decrease in work time by 2 hours/week and an increase in his administrative rating by 20%.

Loan Originator, Residential Mortgage • North Pacific Mortgage

2018 – 2020

Led the residential mortgage loan process from lead to close for the 9th ranked mortgage company in the US, generating a total loan volume of \$24MM and a branch revenue of approximately \$1MM, ranking in the top 10% of sales companywide.

- **Customer Satisfaction**: Served 57 clients throughout both WA and TX in the process of home purchase transactions and mortgage refinances, ensuring a 100% close-rate, an overall 5.0-star rating from 43 customers, and an A+ rating across all 7 review categories.
- **Relationship Management**: Organized 400 face-to-face referral business meetings, across the Seattle-metro and the DFW metroplex areas, resulting in effective partnerships with over 50 realtors to oversee the closing of their residential home purchase transactions.

Upper School Teacher, Math & Computer Science • The Overlake School

2009 – 2018

Served 5 sections of students at the #1 ranked private school in Washington with a 23% acceptance rate, designing curriculum and delivering instruction for 9 courses spanning 2 subjects, sending 100% of students to 4-year university.

- **Curriculum Design**: Conducted a comprehensive 3-year build out of a Computer Science program, making a 4-year rigorous course sequence of 6 classes, generating enough interest to lead 30% of the upper school student body to elect robust course offerings.
- **Process Improvement**: Realigned and improved the curriculum annually to ensure the highest delivery of education, resulting in a 20% greater interest in pursuing computer science over the 2nd highest choice; achieved scores 43% higher than global results.

ADDITIONAL CODING PROJECTS

- **Actualize Fullstack Capstone**: <https://github.com/justinmmorgan21/travelaid-frontend> (backend repository linked) / deployed site - <https://travelaid.onrender.com>
- **Technologies**: Ruby on Rails, PostgreSQL, React, HTML, CSS, JavaScript, npm, Webpack, Tailwind, BCrypt gem, and JSON web tokens, GitHub, CI/CD, Docker, AWS, OpenAI.
- **Web Application**: Built a front and back-end web application to plan and track vacations, including flights and points of interest, using Google Maps, Google Places, Cloudinary, SerpApi, Flowbite, Geocoder, and EmailJS.

EDUCATION & CERTIFICATIONS

- Bachelor of Science, Electrical Engineering • University of Washington
- Bachelor of Arts in Mathematics • University of Washington
- Master of Arts in Secondary Education • Johns Hopkins University
- Certificate in Software Development • Actualize Coding Bootcamp