

# Madalyne Cross

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## SUMMARY

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Software developer with experience in full-stack web development, specializing in Laravel and React. As a classically-trained musician and experienced educator, my strengths include breaking down complex tasks, attention to detail, communication and collaboration. Eager to bring my technical expertise and problem-solving skills to a dynamic team where I can continue to grow and make an impact.

## TECHNICAL SKILLS

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Software Languages: Php, Javascript, Python, SQL, HTML, CSS, Typescript, Java  
Software Platforms/Frameworks: Laravel, React, Vue, Node, Docker, Angular

## RELEVANT EXPERIENCE

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**Junior Software Developer** | February 2023 - Current | Smith & Associates, Houston, TX

- Develop and support custom solution software for Learning Management System
- Lead migration of frontend from Vue.js to React improving performance and user interface
- Automate commonly performed administrative tasks, reducing time spent updating software by 50%
- Integrate third-party tools for a podcast, creating a seamless experience for users and allowing for data collection within custom support software
- Optimize backend with event-driven architecture to enhance system performance, scalability, and reliability
- Develop and execute comprehensive test strategies, improving software reliability
- Create and maintain thorough documentation of software and database structures, enhancing team understanding and streamlining onboarding processes for new developers.

**Intern Leadership & Development** | December 2022 - February 2023 | Smith & Associates, , Houston, TX

- Add features to custom support software including a tabs view and full stack implementation of adding new users

## ADDITIONAL EXPERIENCE

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**Suzuki Violin/Viola Instructor** | 2012 - 2022 | Pakachoag Music School, Powers School of Music, Wayland School of Music, Madalyne Cross Studio, MA | Upper Valley Music Center, NH

- Teach private and group lessons to 40+ students a week, 3 - 18 years old
- Create an encouraging learning environment developing skills of attention to detail, a high standard of excellence, focus, dedication, respect, resilience and teamwork
- Collaborate with Suzuki faculty for group classes, recitals, and special events

**Director of the Massachusetts Suzuki Festival** | August 2017 - May 2018 | Suzuki Association of Massachusetts, Boston, MA

- Designing, scheduling, and organizing a multi-day conference
- Appointment of music faculty, recruitment and enrollment of 200+ student participants
- Developing and implementing collectively-used scheduling tools in Excel
- Payment processing and budget management
- Maintaining smooth communications between administration and participants throughout event

## EDUCATION

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**Bachelor of Science in Computer Science Oregon State University** | Fall 2024 - Expected Completion May 2028 | Online

**Rice University Full Stack Certificate** | May 2022 - November 2022 | Houston, TX

Software Languages: Javascript, SQL, HTML, CSS

Software Platforms/Frameworks/Packages: jQuery, Bootstrap, Node.js, MongoDB, Express.js, React.js, MERN Stack, RESTful APIs, MongoDB, GraphQL with Apollo, Nodemailer

**Masters of Music, Viola Performance with an emphasis in Suzuki Pedagogy from the University of Hartford** | May 2012 | Hartford, CT

**Bachelors of Music, Viola Performance from New York University** | May 2008 | New York, NY