

# Justin Mach

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## TECHNICAL SKILLS

JavaScript, Python, C#, HTML, CSS, Django, Next.js, Node.js, React.js, jQuery, AJAX, ASP.NET Core, MySQL, MongoDB, Mongoose, Tailwind, Bootstrap, RESTful API, BCrypt, Pillow, AWS EC2, AWS S3, Bitbucket, GitHub, Postman, GitBash, Adobe Photoshop, Adobe Illustrator, Stripe

## TECHNICAL PROJECTS

**Feels Generator** - React | Next.JS | Tailwind | tRPC | PostgreSQL | Stripe 2023

*AI image generation through guided user selection lyrics to capture the emotions in art.*

- Created an AI Image generation site guided by user inputs with Next.js and Tailwind
- Integrated Open AI's DALL-E deep learning model
- Utilize Amazon S3 bucket to store user generated images
- Integrated Stripe payment services to allow users to purchase credits for DALL-E image generation

**The Missing Piece** - Python | Django | Bcrypt | Pillow | Bootstrap | CSS | Photoshop 2020

*Social media app catered to the Autism community, allowing users affected by this disorder to connect.*

- Applied Django's MTV pattern for increased development speed, future scalability, and maintainability
- Built a social media-inspired CRUD application using OOP and ORM for enhanced user experience via posts, likes, comments, messages, and friend requests.
- Added password hashing with Bcrypt for a secure user login and registration process
- Provided image file support using Pillow allowing users to upload images to their profiles and posts

**BugTracker** | MongoDB | Express.js | React.js | Node.js | Redux | CORS | dotenv 2020

*Bug tracking app that monitors reported software bugs for a smoother development process.*

- Architected an issue tracking system with MERN stack for a dynamic web interface and manageable database
- Incorporated an authentication system using Bcrypt, JWT, and Cookies for added user security
- Implemented application state using Redux store to increase workflow management

**RocketShip** | C# | ASP.NET Core | AJAX | jQuery | Bootstrap 2020

*Drinking card game that gives a refreshing and fun user experience for adults.*

- Engineered an interactive card application using C# and ASP.Net Core for high-quality performance
- Integrated asynchronous functions with AJAX and jQuery to enhance user experience with fast response times
- Designed a responsive frontend using Bootstrap for a minimalistic and smooth user interface

## PROFESSIONAL EXPERIENCE

**Front End Engineer** | Trust & Will | San Diego, CA [2021-2023]

- Maintained and improved Angular application while simultaneously assisting in a large-scale transition to React and Tailwind
- Played a key role in implementing numerous successful A/B tests, leading to revenue increase and operational savings
- Led the successful redesign of the core product application, increasing user experience and delivering a fresh, well-received look

**QA Engineer** | Trust & Will | San Diego, CA [2021]

- Developed a bug tracker and reporter for company-wide use via Slack workflows, creating tickets in Jira via Zappier
- Started as a QA Engineer, quickly transitioning to a dual role that included Front End Developer responsibilities within three months

- Assisted the Member Services team in resolving bugs, providing large-scale and individual-level solutions for immediate clients
- Worked closely with the Advisors team to maintain and enhance the advisor dashboard, a critical revenue source for the company

**Artist** | *MachStencil* | Westminster, CA

[2018-2020]

- Commissioned over 200+ pieces of artwork through Instagram and Etsy
- Designed custom art products using Photoshop, Adobe Illustrator, and Silhouette Studio
- Direct communication with clients to discuss styles and themes for desired satisfaction of product
- Spray painted artwork on canvas using acrylic paint and packaged each product for shipping

**Behavioral Technician** | *Hearts of ABA* | Fountain Valley, CA

[2019-2020]

- Conducted individual and group therapy sessions for outpatient clients ranging from ages 2 to 16
- Utilized theoretical approaches to treatment such as cognitive behavioral therapy and narrative therapy
- Tracked all incoming patient information, intervention plans and clients responses to treatment

## COMPLETED EDUCATION

**Coding Dojo** | *Full-Stack Developer Certificate* | Costa Mesa, CA

2020

- Immersive Full-Stack Training Program in Python, C#, and MERN
- Achieved highest honors by demonstrating advanced proficiency in all 3 stacks
- Won “Best Project” for The Missing Piece, for dedication to the special needs community

**California State University, Fullerton** | *B.S. in Kinesiology* | Fullerton, CA

2020