

# ANDREW SCHROEPFER

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## CORE AREAS OF STRENGTH

- **Programming Languages:** JavaScript, TypeScript, HTML, CSS, Python, C++
- **JavaScript Frameworks and Libraries:** React, Next.js, Redux & Redux Toolkit
- **Backend Technologies:** Django, Node, Express, Webpack, MongoDB, Mongoose, SQL, MySQL, Sequelize, PostgreSQL, Firebase, RT/Storage DB, Cloud Functions, SDK
- **Cloud Platforms & Services:** AWS, Amplify, Lambda, CloudFront
- **Project Management & Development Methodologies:** Agile Methodologies, Scrum Development, Debugging, Unit/Performance Testing, Docker, Kubernetes
- **Communication and Design Skills:** UX Design, Information Architecture, Prototyping Tools (Figma, XD), Adobe Creative Suite (Photoshop, Illustrator)
- **Data Analysis and User Research:** User Surveys/Interviews, Personas, User Testing

## PROFESSIONAL EXPERIENCE

### React.js Developer Apprentice | *Alphaworks / Bitwise Industries* | *February 2022 to current.*

As a React developer apprentice, my role involved working with various technologies beyond ReactJS. My work encompassed Node, Express, Next.js, MongoDB, PostgreSQL, and Django, making me a full-stack developer. During the apprenticeship, I underwent six months of frontend and backend training, followed by six months of on-the-job training. This training helped me to develop a deep understanding of various technologies and hone my skills to become a proficient full-stack developer. I worked on several projects during this period, providing me with hands-on experience and helping me apply the concepts I learned in a practical setting.

- Developed a medical application to reduce procedure preparation time by 70%. Collaborated with a team using Django, PostgreSQL and Django REST API with React.js and Bootstrap to create a scalable database with reusable components
- Built unique websites for four small businesses and created easy-to-use administrative interfaces. Used server-side rendering to improve search engine optimization by 100% and Integrated REST API endpoints to facilitate effortless data retrieval
  - Spearheaded client communication, assessed needs and worked closely together to create a website that fit the business goals and increased customer discovery, on average, by 80%
  - Maintained and updated all four websites while addressing clients' concerns and questions
- Created 50+ educational and professional projects with React.js, HTML, CSS, Javascript, Node, Express, and MongoDB
  - Communicated with designers and developers and managed 2-5 projects simultaneously. Maximized the team's learning opportunities and drove project success

### Web Development Instructor | *Bitwise Workforce Training* | *September 2021 to current.*

As a web instructor, I taught beginner-level courses on website creation. These courses covered HTML, CSS, and semantic coding concepts. Additionally, I conducted an intermediate course on mobile-friendly design, where we focused on responsive layouts using Bootstrap, Grid, and Flexbox. Throughout the classes, I emphasized concepts like mobile-first design to ensure students could create functional and aesthetically pleasing websites on any device. I worked closely with my students to help them understand the material,

answer questions, and provide feedback to help them develop their skills. I aimed to empower my students with the knowledge and tools to create high-quality websites.

- Led a Websites for Beginners courses, with an average of 15-20 students, focusing on basic HTML and CSS, Interface Development, learning Git workflows and working with typefaces
- Instructed Mobile Friendly Web development courses, with an average of 15-20 students, focusing on mobile-first design, responsive web layout, Bootstrap, and a strong emphasis on Grid and Flexbox
- Substituted for Javascript and React.js courses for classes ranging from 10-30 students covering topics on basic Javascript to advanced React.js

## PROFESSIONAL ACHIEVEMENTS

- Designed and developed a website for a local business, Mixellence, chosen as the winning project out of 5 competitors. Leveraged cutting-edge technologies, such as React.js, Next.js, Node, and Firebase
- Recognized during all-team meetings for substantial impact on the team's success, earning the distinction of "CSS Master"
  - Advised and tutored a cohort of 10 other apprentices, troubleshoot projects and provided extra time outside of work to help master the craft
- Managed and executed the implementation of an advertising campaign with a budget of \$80,000. Collaborated in designing display ads and logos for business and community events
  - Experienced an 80% increase in call volume over ten months

## EDUCATION

June 2023	<b>Certified Web Developer</b> , State of California Apprenticeship program.
June 2018	<b>Bachelor of Arts in Philosophy</b> , California State University, Fresno, Fresno, CA
	Minor Degree: <b>Computer Science</b>

## SOCIAL MEDIA

**Github:** <https://github.com/SyntheticNerd> **Portfolio:** <https://syntheticnerd.com>

**Linkedin:** <https://www.linkedin.com/in/andrew-schroepfer/>