

Danna Xu | Software Engineer

(443) 421-6537 dannaxuu@gmail.com [LinkedIn](#) [Github](#) [Website](#) SF Bay Area

SKILLS React.js, CSS, HTML5, Redux, Node.js, SQL, Git, MERN, PostgreSQL, Javascript, Ruby, Rails, Python, AWS, Maya, GraphQL

EXPERIENCE

Nike: 2021 - present

Software Engineer III

- Advanced Reporting Capabilities Team - created software using React, Redux, Javascript, ES6, Typescript, HTML, and CSS to provide real-time visibility into high-impact events, SRE ops, delivery communications, financial impact, release engineering, quality performance, launch ops, operational metrics, business reporting, site health monitoring, consumer experience for data-driven decisions, and business management

Sirona Medical: 2020

Software Engineer

- Used React Hooks & Redux, Javascript, Material UI, HTML, CSS, Fovia, Websockets, Jest, Puppeteer, Django, AWS, CircleCI, Docker, Github, DICOM to build online app, workstation, and 3D radiology viewer
 - Created Window Leveling, Maximum Intensity Projection, Reset, Ellipse, Microphone, etc. tools and features
 - Built mouse adapters, shortcuts, and frontend components, contributed to design specifications, wrote tests
- Utilized Apollo GraphQL and Typescript to manage schema and query / store information in the backend

Heartflow: 2014 - 2019

Principal Analyst: 2018 - 2019

- Led Invasive Imaging Team that utilized Angiography data to improve 3D DeepLearning algorithms
- Presented new innovations to Board of Directors and Medical board
- Mentored and trained staff and identified and implemented quantifiable improvements to process and product
- Utilized SCRUM, Jostle, JIRA, Confluence, Workday, Zendesk in workflow and organization
- Worked with interdisciplinary teams to find solutions to problems and improve customer satisfaction

Senior Analyst: 2016 - 2018

- Drove workstation software improvements that led to 30% increase in customer Turnaround Time and increase in diagnostic accuracy, improved user interface and experience
- Process and Product Improvement Projects, research and development and data analytics

Analyst: 2014 - 2016

- Performed data analysis and visualization on metrics and productivity data using Excel and other data analysis software
- Generated 3D models of coronary arteries, used powerful computer algorithms solve millions of complex equations to assess the impact that blockages have on blood flow

The Animation Collaborative

TA: 2014 - 2019

- Performed IT and administrative tasks
- Worked with animators from Pixar, ILM, Disney, Sony, DreamWorks, Blue Sky to create 3D animations in Maya

PROJECTS

Tumble | tumble.herokuapp.com

[Live Site](#) | [Github](#)

Full stack development of a single-page social media web application clone using **React / Redux, Ruby on Rails, AWS**

- Used React / Redux on Frontend to create fully-functional and intuitive single page web application with CRUD functionality
- Utilized Ruby on Rails and active record to create backend and design RESTful backend routes for database management
- Used PostgreSQL to manage database and store user and content data

Invitely | invitely.herokuapp.com

[Live Site](#) | [Github](#)

Created, designed, and developed an event planning app using **MERN Stack: React / Redux, Express, and MongoDB**

- Used Middleware, Redux-Promise in application to retrieve data from backend and perform RESTFUL services
- Integrated SendGrid to automate delivery of customized event invites to guest list via email
- Incorporated Google Maps API to display event locations and directions, and Google Calendar to add reminders of events

Burger Boy | danna-aa.github.io/BurgerBoy/dist/index.html

[Live Site](#) | [Github](#)

Developed side scrolling platform game using **Javascript, PixiJS, WebGL, Canvas, and Webpack**

- Created animated character sprite sheets with JSON, tiling sprite parallax background scrolling effects
- Implemented collision detection and physics to create interactive gameplay

EDUCATION

University of California, Berkeley - MCB, CS (2010 - 2014)