Alexander Ela
Software Engineer

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Denver, CO

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WORK EXPERIENCE

Esri

Software Development Engineer

Denver, CO | August 2019 - current

- Developed 15-20 custom, performant, JavaScript-based web applications for customers in a wide range of different industries that integrate Esri's geographic information system technology.
- Collaborated with Nobel Prize-winning World Food Programme to create Humanitarian Topographic Atlas, a lightweight database of maps of 170 countries and territories in need of humanitarian aid.
- Led international virtual React fundamentals workshop for 50-60 to Esri clients.
- Rebuilt CA State's Climate Explorer App aimed at helping conserve 30% of land & coastal waters by 2030.
- Created & refactored 15-20 custom React-based widgets & components used in public & internal web apps.
- Built UI for JSON editor used by over 1,000 developers in Professional Services department.
- Let mentorship of new employee in JS/CSS who has since progressed to role of UI/UX lead on 2-3 projects.

University of Iowa Health Care

Frontend Web Developer (Contract)

Denver, CO | June 2019 - November 2019

- Supervised development of dialysis simulator app entered into the American Society of Nephrology's 2019 Innovations in Kidney Education Contest.
- Collaborate with 2 nephrologists to redesign dialysis simulator UI for use by 50+ medical students.
- Created backend database in NodeJS/Express containing statistics for 3-5 different dialysis patient cases.

University of Colorado

Frontend Developer (Contract)

Denver, CO | April 2019 - August 2019

- Revitalized dialysis simulator app and winner of the American Society of Nephrology's 2017 Innovations in Kidney Education Contest.
- Optimized 10-20 functions calculating effects of dialysis on patients.
- Fixed bugs in 20-30 files of inherited JavaScript/jQuery, and CSS code.

SKILLS

- Languages: JavaScript (OOP), TypeScript, HTML, CSS
- Frameworks: React, NodeJS, Svelte
- Tools: Git, GitHub, Redux, Chrome/Firefox Dev Tools, Azure DevOps
- Testing: TDD, React Testing Library, Jest, Enzyme
- Spoken Languages: Spanish, French, German
- Citizenships: Chile, Hungary, USA

EDUCATION

Front End Engineering

Turing School of Software & Design

June 2018 - January 2019

Denver, CO

MA

Leiden University: Art History and Criticism

2016 - 2018

Leiden, Netherlands

BA

University of California, Santa Cruz: French Literature

2003 - 2007

Santa Cruz, CA