

**Maximilian Royal-Eisenberg**  
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**Portfolio: <https://maxr-e.github.io/desert-moose>**

### SUMMARY

Driven to learn and improve full stack web developer with a background in dynamic interconnected systems and customer service and a full stack certificate from UC Berkeley Extension. Creative problem-solver passionate about developing robust apps. Strengths in collaborative teamwork, communication, analytical thinking, customer empathy and building projects from conception to execution to maintenance.

### TECHNICAL SKILLS

HTML5, CSS3, JavaScript ES6+, NoSQL, MySQL, MongoDB, Express.js, ReactJS, Handlebars.js, Node.js, jQuery, Redux, Bootstrap, GitHub, WordPress

### PROJECTS

**Star Gazer** | [github.com/maxr-e/star-grazers](https://github.com/maxr-e/star-grazers) | [ancient-ravine-85592.herokuapp.com](https://ancient-ravine-85592.herokuapp.com)

- Leader, Back end
- Utilize MERN stack to deliver an app that lets users join a community to explore the night sky.
- Led team with creation of a scalable responsive React app that utilizes user location and time input to generate sky chart and moon phase data with 3<sup>rd</sup> Party APIs and deliver a social media community where posts can be created and commented on utilizing queries and mutations, with authentication by JWT. GraphQL with a Node.js and Express.js server was used to facilitate the MongoDB and Mongoose ODM database.

**Rate my Cow/Giraffe** | [github.com/maxr-e/group-6-not-null](https://github.com/maxr-e/group-6-not-null) | [polar-temple-53244.herokuapp.com](https://polar-temple-53244.herokuapp.com)

- Creative source, Front end designer
- Demonstrated skill with Node.js and Express.js to create a RESTful API page that allows bovid and giraffid aficionados post images and comment on posts.
- Spearheaded wireframe layout, designed community page using Handlebars.js and guided front-end motifs with Bulma CSS. Created seed data with MySQL and Sequelize ORM.

### EXPERIENCE

**Freelance Developer**  
**Self-Employed**

**2023- Present**  
**Remote, USA**

- Consolidated WordPress Dashboard workspace for client increasing viewport efficiency by 33%.
- Custom-coded WordPress plugins to allow client to dynamically apply translations.
- Improved front-end Red Bull internal restaurant reservation site per client desires.

**Water System Inspector II**  
**East Bay Municipal Utility District**

**2019- 2023**  
**Oakland, CA**

- Investigated abnormal system operation and collaborated in a team of 22 and across several departments while maintaining high attention to details to resolve issues.
- Volunteered for and authored an SOP with technical programming instructions for a new 24/7 chemical pumping plant for a +50MG drinking water reservoir.
- Performed field visits to customers with water quality concerns, and delivered exceptional service by solving issues by leveraging intra-departmental and agency connections.
- Increased reservoir maintenance efficiency by 50% by utilizing mobile APIs and multitasking.

**Meter Reader/Mechanic**  
**East Bay Municipal Utility District**

**2018- 2019**  
**Oakland, CA**

- Transcribed large amounts of meter data with 99% accuracy.
- Interfaced with and educated customers of diverse demographics on water consumption, conservation techniques.
- Recognized by many consumers for exceptional customer service.

**Water Conservation Technician**  
**City of Concord, NH**

**2017- 2018**  
**Concord, NH**

- Developed water conservation programs while coordinating administration with customers and departmental staff
- Presented water conservation information, organize exhibits for schools, expositions and community events.
- Identified a 200gpm legacy leak saving 2% unaccounted-for water waste.

**Water Treatment Service Technician**  
**Secondwind Water Systems**

**2016- 2017**  
**Manchester, NH**

- Programmed, troubleshooted, designed and serviced dozens of water systems scaled up to municipal level.
- Educated customers on hydrological system management
- Maintained server coolant water treatment equipment for Fidelity Investments Data Center in Merrimack, NH and the potable systems for the Towns of Epping, Raymond, and Bow, NH.

**Marine Science Instructor**  
**Marine Science Institute**

**2015- 2016**  
**Redwood City, CA**

- Educated dozens of K-12 and college classes in remote data collection with programmable robotics, hydrology, ecology and GIS.
- Led pupils on expeditions in San Francisco Bay building confidence and collaborative spirit.

**EDUCATION**

- Certificate in Full Stack Web Development, UC Berkeley Extension, EdX, 2023
- Bachelor of Science in Biology, California State University, East Bay, 03/2011.