

ERIK GRACIOSA

FULL STACK SOFTWARE ENGINEER

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BIO

Dependable engineer with a passion for implementing elegant displays of data in user interactive formats. A team leader in projects at HP, Microsoft and Element Six that designed, planned, and directed engineers and technicians to install and refine factory automation equipment across printing, touchscreen, and lab-grown diamond industries.

TECH STACK

Languages:

JavaScript | HTML | CSS

Env/Frameworks:

React | Node.js | Express |

PUG | Redux

Databases:

PostgreSQL

Testing Suites:

Jest

Other:

Github | Heroku | Netlify |

VSCode | Postman |

PGAdmin | Agile/Scrum |

Miro | StripeAPI

EDUCATION

Oregon State University

B.S. Mechanical Engineering

2008

Alchemy Code Lab

800hr SW Developer Training

Sept 2020-March 2021

VOLUNTEER/AWARDS

Corvallis Bicycle Collective

Board Member 2014-2015

Fundamentals of

Engineering Certified

(Oregon)

2008

OSU MECOP Intern

2006 - 2007

PROJECTS

REALO [LIVESITE](#) --- [GITHUB](#)

JavaScript | CSS | HTML | PUG | NodeJS | Express | PostgreSQL

Libraries: bcryptjs, cheerio, nodemailer, superagent-throttle

A back-end webscraper notifying users of new real estate via SMS, based on user entered filters. Deployed on Heroku with server side rendering. Built in a one week sprint with four developers remotely via Zoom.

- Set up user authentication, user filter input form, and user model writing to PostgreSQL database.
- Enabled constant integration via Github and Heroku for a dev and production site with CI deploy-constraints.
- Sketched wireframe mockups and built endpoint addressing of PUG server-side rendered views for users to enter and view filters.

Git-There [LIVESITE](#) --- [GITHUB-FE](#) --- [GITHUB-BE](#)

JavaScript | CSS | HTML | React | NodeJS | Express | PostgreSQL

Libraries: bcryptjs, google-maps-react, superagent

A transportation aggregating app visualizing Nike/Lime/Spin scooters and Trimet bus stops using a Google Maps React element and deployed on Netlify.

- Led team in one week sprint from sandbox idea to user-stories to dev tickets.
- Built Trimet details page to navigate to bus stop details from user click on map icon using Trimet API.
- Wrote munging functions to pass on location data from JSON and filter scooters within 300 meters.

Pool Party [LIVESITE](#) --- [GITHUB-FE](#) --- [GITHUB-BE](#)

JavaScript | CCS | HTML | React | NodeJS | Express | PostgreSQL | StripeAPI

A Stripe enabled payment system for enabling multiparty payments to one reciever. Payments going through Stripe's test environment.

- Wrote logic for holding payment intent secrets from Stripe then confirming payments after all party's in pool had paid.
- Using custom hooks to fetch from database and a Model/Container/View architecture.

WORK EXPERIENCE

Element 6

Lead Equipment Engineer | 2019 - 2020

- Responsible for final sign off for equipment to go into production.
- Defined and confirmed scope of work with manufacturers for automation equipment.
- Wrote maintenance procedure and trained all engineers and techs.

Hewlett-Packard

Mechanical Design Engineer | 2010 - 2014, 2016 - 2018

- Designed parts and assemblies for 3D Printers focusing on fluid transport from ink cartridge to printhead.
- Wrote scripts for validation testing of printers.
- Project manager of onsite customer teams for HW and SW deployment and validation of high volume digital printing presses.

Microsoft (contract via EASI/Aerotek)

Process Development Engineer | 2015 - 2016

- Research and development for precision placement(300micron) of flex circuits and conductive adhesive for Surface Hub Touchscreens.
- Patent submission for novel adhesive application.
- Wrote G-code for CNC prototyping equipment and basic I/O.

Intel

Process Engineer | 2008 - 2010

- Improving factory metrics via constant improvement and statistical process control.