

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. Constantly striving to refine problems into measurable objectives. A team leader in projects at HP, Microsoft and Element Six that designed, planned, and directed multi-discipline engineers and technicians to install and refine factory automation equipment across printing, touchscreen, and lab-grown diamond industries.

TECH STACK

Languages:

JavaScript | HTML | CSS | SQL

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/AWARD

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 an Agile one week sprint with four developers remotely via Zoom.

- Wrote RESTful API with public and private access for user authentication, user filter input form, and user models 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 a RESTful API as a proxy to access Trimet API via a backend.
- 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.