

# 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-March2021

## 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.