Julia Grimes

GitHub | LinkedIn | Personal Site

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CODING PROJECTS (see personal site for more)

EcreboCPR – *a site that acts as a demo for POS receipt software*
Built with npm, webpack, React.js, Bootstrap
Email form integration with Mailtrap
Custom branding for fictional grocery retailer
Custom Rive animation integration with React
Responsive design including recreation of app store pages
Used Adobe Indesign, Illustrator and Photoshop to create digital assets

Signs Of Life – *a 2D Unity Game*
Art created with Adobe Illustrator, InDesign, Photoshop, Procreate
Designed, written and developed, coded in C#

Growth Talent Solutions – *web presence for a recruitment consultant*
Frontend single page application built with npm, webpack, React.js, Bootstrap
Secure authenticated user profiles using JSON web tokens
Custom Rive scroll animation
Email form integration with Mailtrap and GoDaddy
Custom branding including logo design

Kate FitzGerrell Portfolio Project – *an artist's website*
Backend RESTful API using MVC architecture built with Ruby on Rails
Frontend application built with npm, webpack, React.js, Bootstrap
Secure authenticated user profiles using JSON web tokens
Created backend interface for client use
Working with a client to design and create functionality according to her preferences

EDUCATION

Maryland Institute College of Art (MICA) — *Media Arts, BFA*
MATRICULATED MAY 2024
France-Merrick Fellow, 2015-2016 | Teaching Assistant Fall 2015
Community Site Leader, 2013-2014
Studio Intern at Diablo Glassblowing Studio, Summer 2015

Actualize Coding Bootcamp — *Full Stack Web Development Certificate*
OCTOBER 2022 - JANUARY 2022

Benjamin Franklin Institute of Technology — *Mechanical Engineering Technology, AS*
MATRICULATED MAY 2020

SKILLS

Languages: Ruby, JavaScript, HTML, CSS, SQL, C#

Frameworks: Ruby on Rails, React.js, Bootstrap

Databases/Libraries/Tools: Postgres, APIs, Node/npm, Git, GitHub, SonicPi, Rive, Lottie

Design Software: NX, Solidworks, Blender, Mastercam, Adobe Suites

Technical Skills: hand tools, fiber optic splicing, soldering, cryogenics, high temperature superconductor processing, electromechanical troubleshooting, CNC milling, tailoring, 3D printing

AWARDS

Power of You - Gold Award For excellence within manufacturing and consistently exceeding all technician metrics.

Ralph G Adams Memorial Award for Outstanding Achievement and Integrity in Mechanical Engineering Technology

CERTIFICATIONS

Mechanical Design SolidWorks Associate - Dassault Systemes issued December 2019

EXPERIENCE

Self-Employed, Brookline, MA — *Freelance Web Developer and Designer*

APRIL 2023 - JUNE 2024

Work with clients to create custom branding and responsive websites for their professional and personal needs

Created custom animations, integrate email forms, provide authentication, backend databases with frontend access

Commonwealth Fusion Systems, Somerville, MA — *Lead Production Technician*

NOVEMBER 2022 - JUNE 2023

Lead a team of five technicians to create proprietary superconducting cables with embedded temperature sensors up to 250m in length for a commercial fusion energy company's device called a tokamak

Write work instructions and standard operating procedures

Document and collect data for validating new processes and materials. Improved tensile strength on fiber optic splice by 200%

Use NX and Teamcenter to verify mechanical assemblies and floor layouts

Commonwealth Fusion Systems, Cambridge, MA — *R&D Technician*

APRIL 2022 - NOVEMBER 2022

Produce superconductor performance data and material processing lead time for multiple clients at a rate of 145% of any other department by improving processes and due to my experience and skill with soldering

Read mechanical drawings and verbal instructions to assemble and improve R&D devices and processes

Re-design and 3D print updated parts using NX and Cura for conductivity test equipment to improve data for research projects by scaling relative measurements

Used Google Sheets Query functions to improve integrity of quality related data collection and processes by randomizing inventory checks and reducing technician time generating lists for weekly audits from over 20 minutes to one minute or less.

Used Jupyter notebook to process data

P&G Gillette, South Boston, MA — *Process Lead*

MAY 2020 - APRIL 2022

Resolved discrepancies between engineering drawings and floor machines

Discovered a manufacturer's part tolerance discrepancy present on 8 machines creating weld strength defects and reduced scrap by an average of 2% per machine

Achieved PR metrics above 80% by improving daily quality checks and performing root cause analysis

Created a gauge to visually measure slack within a chain via a tensioner reducing daily stops for inspection

Took on interim manager role for 6 weeks for a team of five technicians operating 18 assembly machines, maintained above target PR numbers, and managed qualifying a new material during a supply chain issue

iFixYourI, Brookline, MA — *Technician*

OCTOBER 2019 - FEBRUARY 2020

Repaired and diagnosed hardware and software on personal and household electrical devices

Ecrebo — *Freelance Graphic Designer*

JULY 2018 - MAY 2020

Created visual mock-ups using image manipulation software to showcase results of start-up's proprietary receipt printer software for retail stores