

RORY HACKNEY

roryhackney.com | github.com/roryhackney | roryhackney@gmail.com

Computer Science BS junior graduating in 2025. Software / web developer and artist, currently studying data structures, algorithms, and Java, with experience in Python, JavaScript, SQL, HTML, CSS, and PHP.

PROJECTS

See more at github.com/roryhackney, roryhackney.com/portfolio.php

JAVA SOCIAL MEDIA GRAPH

roryhackney.com/java-social-media-graph

Dec 2023

- Collaboratively designed with UML and developed software that uses a graph implementation to display a social media menu, validating input to create accounts, add friends, and delete accounts.

JAVA FRACTAL DRAWING PROJECT

roryhackney.com/java-fractal-gui.php

Jun 2023

- Implemented a graphical user interface using Java Swing that gathers user's settings in real time and draws a custom fractal using recursion. Users can select color / theme, opacity, and recursion depth.

JAVA SINE CURVE AREA PROGRAM

roryhackney.com/java-menu-drawing-sine.php

Feb 2023

- Built a Java program that displays a menu, validates and processes user input, calculates the area of a sine curve using math, and draws the curve using rectangles and Graphics depending on input.

FULL STACK WEB APP

roryhackney.com/php-finale.php

Jan 2022

- Built a mobile first full stack web application with forms and database using PHP, SQL, HTML, CSS.
- Validated user input and manipulated databases to create mileage calculator, contact form, and login.
- Created responsive styles, daily changing content, database pages, registration, and kitten gallery.

DATABASE DEVELOPMENT: ART BUSINESS

roryhackney.com/database-design.php

Jun - Aug 2021

- Implemented relational database to track clients, products, projects for potential small art business.
- Documented the database design with mission objectives, ERD diagrams (Figma), and normalization.
- Implemented database using SQL code in phpMyAdmin, added data, and tested queries and views.

EDUCATION

Computer Science Courses | North Seattle College

Sep 2022 - PRESENT

Relevant courses: Data Structures & Algorithms, Logic & Problem Solving, Java 3, Python

Web Development Certificate, Courses | Seattle Central College, PCC

Sep 2020 - Aug 2021

Web Development Courses | Portland Community College

Sep 2018 - Aug 2019

Comic Art Bachelors of Fine Arts | Minneapolis College of Art and Design

Aug 2012 - May 2016

EXPERIENCE

WEB DEVELOPMENT AND IT TUTOR

Seattle Central College | Seattle, WA

Oct 2021 - PRESENT

- Strengthens knowledge explaining and troubleshooting Java, Python, JavaScript, CSS with students
- Teaches students to debug code independently using browser inspectors, stack traces, and by eye

ADDITIONAL EXPERIENCE

• Seafood Clerk | Wallingford Quality Food Center | Seattle, WA

Feb 2023 - PRESENT

• Assistant Bookkeeper | Broberg Acupuncture | Seattle, WA

May 2021 - PRESENT

• Sales Associate | Michaels Art Supplies | Seattle, WA

Aug 2021 - Feb 2023

• Barista, Cashier | Ballard Fred Meyer | Seattle, WA

Mar 2020 - Apr 2021

• Library Access Services Assistant | Multnomah County Library | Portland, OR Jun 2018 - Feb 2020