Lindsee Purnell

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Passionate undergraduate developer with experience creating diverse programs. Experience developing in a Linux environment and using Git for version control. A strong willingness to learn and expand my knowledge beyond Java, and onto new programming languages and technologies.

PROJECTS

Tetris— *Java*
- Created a graphical user interface of a Tetris game using the JavaFX library for visual effects.
- Added various features such as a music player and a scoreboard to enhance the gameplay experience.
- Wrote Agile stories to help guide the development process.

PowerPaint— *Java*
- Implemented the Model View Controller design pattern to develop a program users can paint and draw on.
- Designed a variety of tools for users to interact with by using Object Oriented Programming concepts.
- Constructed menu options to choose colors or thickness to create a variety of effects and visuals.

Bitmap Manipulation— *C*
- Developed a program that manipulates the pixels of a bitmap image to generate various effects.
- Added functionality that includes mirroring, flipping, inverting and contrasting the image.
- Implemented a command line interface for image selection and flag parsing.

EDUCATION

Bachelors of Science in Computer Science and Systems —   *September 2016 - Present*
University of Washington Tacoma, Tacoma, WA.
Classes: Java Practicum, Discrete Mathematics, C System Programming, Data Structures, Matrix Algebra

Associates of Arts and Sciences   *November 2013 - March 2016*
Tacoma Community College, Tacoma, WA.

EXPERIENCE

Instructor —*Coding with Kids, Gig Harbor, WA.*   *January 2016 - Present*
- Teach the programming fundamentals in Scratch to children of all ages.
- Instruct a web development class that focuses on animations in Javascript and HTML5.
- Present and organize curriculum for a beginner Python class.
- Maintain 70% student retention by motivating and encouraging students to pursue programming.

Game Demonstrator —*PAX Prime, Seattle, WA.*   *September 2017*
- Set up multiple devices for participants to test different video games.
- Fixed any technical issues with the devices or bugs in the games.