Ankit Patel

1B Software Engineer

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Summary of Skills

Languages: C++ // C# // C // Java // HTML // CSS // JavaScript
Technologies: Node.js // ReactJS // Socket.io // Express.js // MATLAB // LaTeX
Tools: Git // Unix // Bash // Vim // Visual Studio // Adobe Photoshop

Projects and Experience

Archimedes | C# , JavaScript, Unity, Arduino
Nov. 2017
github.com/EulerLoop/Archimedes

- 2D Puzzle Platformer Game with 10 levels created in **Unity**
- Implemented traditional platformer mechanics and puzzle mechanics using **C#** and **JavaScript**
- Created a joystick controller, that used **Arduino** to convey inputs from the controller to a computer
- Group project, which allowed for learning of proper **git version control** and **collaboration**

Online Portfolio | *ReactJS, GatsbyJS, Javascript, HTML5, CSS3*
Dec. 2017
github.com/EulerLoop/Portfolio-Website, **live-build:** ankitmpatel.me

- Created using **ReactJS** to act as a personal website and portfolio of projects
- Utilized **GatsbyJS** as a static website generator to allow for reduced loading times
- Constructed modern user-interface using **CSS** to allow for engaging interface

Chatfinity | *Node.js, Socket.io, JavaScript, HTML5, CSS3*
Jan. 2018
github.com/EulerLoop/Chatfinity, **live-build:** Chatfinity.herokuapp.com

- Online anonymous chat web application created using **Node.js, HTML, and CSS**
- Real-time chat implemented by using **Socket.io** to pass data between connected users

Escape the Mines | *Java*
July 2017
github.com/EulerLoop/Escape-the-Mines

- Minesweeper-like game that differs from Minesweeper by using a **recursive algorithm** to generate mines in absolute random as opposed to preset biases in the classic edition
- Implemented UI System and Board using **Java Swing**

Password Strength Determiner | *Java*
May 2017
github.com/EulerLoop/Password-Strength-Determiner

- Program outputs scores to inputted passwords by implementing the **diceware passphrase algorithm**, which considers, spatial order, repetition, sequences, and dates

Employment

Quiznos Sub | *Cashier, Fulltime*
March 2015—Sept. 2016

- Efficiently **communicated** with customers in a **fast-paced** environment
- Decreased the amount of people required to work lunch hours by **20%** by taking orders **productively**

Awards

- **Highest mark** in Grade 12 Mathematics Course across 300 students — 2017
- Placed in the **top 20%** of contestants of the Euclid Mathematics Contest — 2017
- Was awarded the **Charles Fogarty award**, for being both proficient and passionate about computer science and mathematics — 2016

Education

University of Waterloo
2017-2022

- Candidate for Bachelor of Software Engineering (BSE)
- Awarded the President's Scholarship of Distinction for an entrance average of greater than 95%