Ambareesh (Amby) Balaji

University of Waterloo • Post-1B Software Engineering

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 ambyjkl
in ambyjkl

TECHNICAL SKILLS

Experienced: JavaScript, React, Redux, Node.js, jQuery, HTML, CSS, C/C++, Python, Git, Linux and Unix, Bash, Zsh

Familiar: MongoDB, Firebase, Rust, Java, OCaml, Haskell

WORK EXPERIENCE

Rangle.io 🌐
May-Aug 2017

- Worked on an internal React-Redux based project and resource management app utilizing a Node.js based backend
- Delivered visual overhauls with more consistent CSS, and performance enhancements with more cloud-based computing

PROJECTS

napoleon

React, Redux, Node.js, Express.js, Socket.io
Feb 2017

- Built a real-time online multiplayer card game with the server managing the players using web-sockets

handle Ⓓ

React Native, Node.js, Firebase
Jan 2017

- Codeveloped a mobile app that lets users request other users to shop for them and deliver the goods home and vice-versa
- Helps university students manage the time they spend on grocery shopping and/or earn extra money in their free time
- Worked on implementing login screens, the maps API, and the algorithm that matches requesting users to the delivering users

Sign Language Translator Ⓓ

Python2.7, Leap Motion Orion SDK
Nov 2016

- Built a translator that detects American Sign Language using a Leap Motion sensor and converts it to text, and then to speech using Google Text to Speech
- Helps hearing and speech impaired people better communicate with others
- Implemented gesture detection features to detect various signs
- Won the First Place and the "Most Innovative Hack" award in Electric City Hacks 2016, Trent University, Peterborough

ASCIInator

Python3.5, python-pillow
Sep 2016

- Wrote a script that converts images to ASCII art and colored pixel art in plain text to display pictures on the terminal

ACADEMICS

University of Waterloo

Waterloo, ON

Bachelor of Software Engineering co-op (BSE)
Sep 2016–Apr 2021

- 95.45% (4.0 GPA) in 1A (fall 2016)

AWARDS

National Scholarship $12,000

Faculty of Mathematics, University of Waterloo

- One out of 12 Canada-wide

Distinction, Top 10%

Euclid Contest, University of Waterloo

- Score: 78/100

Fellowship

Young Scientist Incentive Plan (KVPY)

- One out of 350, rank 172 India-wide
- Direct admission to Indian Institute of Science, Bengaluru, India

Scholarship

National Talent Search Examination (NTSE)

- One out of 773, rank 180 India-wide

ACTIVITIES

- Volunteer at the CS4U day, 2016 (computer science outreach event for students in grades 9 to 12 by the University of Waterloo)
- Volunteer at the Earth Sciences Museum, University of Waterloo
- Active member of CSClub

HOBBIES AND INTERESTS

Taekwondo Black Belt • Rubik's Cube • Twisty Puzzles • Chess • Badminton • Squash • Tennis • Swimming