Ambareesh (Amby) Balaji

ambyjkl.me a3balaji@edu.uwaterloo.ca ambyjkl in ambyjkl

Technical Skills

Languages: JavaScript (ES2015+), C++, Python, Rust, OCaml, Haskell

Tools and Frameworks: React, Vue, Webpack, Node.js, Mocha, GraphQL, Unix, MongoDB

Work Experience

Software Developer | Rangle.io, Toronto, ON   *May-Aug 2017*

Worked in Scrum teams helping clients embrace cutting-edge web technologies in the following projects:

- Internal React-Redux based project and resource management app backed by AWS EC2 and mLab
  - Built UI widgets to help quickly identify excesses and deficits in staffing, saving the company a lot of time and money in the long run
  - Implemented branch builds and improved the Docker, Webpack, and Babel configurations for more efficient development, testing, and deployment
- Vanilla JavaScript and SVG based interactive annual report web app built using Jekyll for a client
  - Built an interactive timeline visualizer utilizing a lot of custom CSS3 transitions and animations
  - Demonstrates how much can be achieved without using any external libraries or frameworks
  - Delivered in just four one-week sprints and received a 100% value rating from the client

Projects

Jam Buddy | React, WebAudio API   *Jul 2017*

- Working on an automatic karaoke web app that listens to a user singing through the microphone and predicts and generates a background track that complements the user's voice

Sign Language Translator Ⓓ | Python2.7, Leap Motion Orion SDK   *Nov 2016*

- Built a translator that converts American Sign Language to speech using a Leap Motion sensor
- Helps hearing and speech impaired people better communicate
- Won the First Place and the "Most Innovative Hack" award in Electric City Hacks 2016, Trent University, Peterborough

Education

University of Waterloo | Bachelor of Software Engineering (BSE)   *Sep 2016–Apr 2021 (expected)*

Cumulative GPA: 3.95/4.0

Honours

National Scholarship $12000 | Faculty of Mathematics, University of Waterloo

- One of out 12 Canada-wide

Activities and Interests

CSClub Member, University of Waterloo ● Neoclassical Metal ● Rubik's Cube ● Chess ● Badminton