

Ambareesh (Amby) Balaji

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Technical Skills

Languages: JavaScript (ES2015+), C++, C, Rust, Python, Scala, 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:

- React-Redux project and resource management app backed by AWS EC2, AWS Lambda, 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
 - 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 generates a background track for user's voice
- Listens to the user and determines the scale using the dominant frequency in the 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 and WEEF Committee Member, University of Waterloo • Rubik's Cube • Chess • Badminton