

Skills

- Highly proficient with C/C++, HTML, CSS, Javascript, Typescript, Ruby, AngularJS and Git
- Experienced with Less, Coffeescript, Lua, Bash, Python, AWS, Rails, MySQL, node.js and Mercurial
- Conversational ability in both written and spoken French

Projects

RSA Cryptosystem

- node.js CLI tool to encrypt/decrypt text files

aopal.ca

- Personal website hosted on Heroku

Cover letter generator

- Ruby script to generate tailored cover letter for WaterlooWorks job posting

Clubs/societies

mathNEWS

- Writer/journalist since September 2016
- Two-time winner of Article of the Issue

Kitchener-Waterloo Sertoma Speed Skating Club

- Athlete since 2007, assistant coach since 2012

UW Creative Writing Club

- Member since January 2016, interim president spring 2017

Hobbies

Writing

- Poetry, short fiction. Slowly working on a novel

Music

- Amateur singer and acoustic guitarist

The Outdoors

- Avid canoeist, hiker and rock climber

Education

University of Waterloo, Waterloo ON

September 2015 - Present

Candidate for Bachelor of Honours Computer Science

Minoring in English Language and Literature

Experience

Software Developer Co-op

Vidyard, Kitchener

September - December 2017

- React, node.js, Ruby, Rails, MySQL, AWS
- Helped rebrand the Vidyard GoVideo chrome extension
- Data aggregation using the Facebook Graph API and the Youtube Analytics API

Junior Software Engineer

Flipp, Toronto

January - April 2017

- Back-end work using Ruby on Rails, AWS and Docker
- Completed both Kanban-style daily support ticket and Scrum-style sprint work
- Researched new technologies, presented findings to project managers/owners and team leads
- Designed solutions to several long standing issues
- Defined and documented coding style for unit test

Full-Stack Web Developer

Imagine Communications, Waterloo

May - August 2016

- Front-end web development using HTML, CSS, Typescript and AngularJS 1.5
- Worked as part of a team using Agile development processes
- Researched and created proof of concepts for multiple new technologies
- Worked directly with QA engineers to quickly fix bugs

Software Developer

Encircle, Kitchener

July - August 2015

- Front-end web development using HTML, CSS, Coffeescript and node.js
- Independently implemented bug fixes and added functionality to the company website
- Designed and prototyped new features



151 Charles St, West, Suite 100
Kitchener, ON, Canada, N2G 1H6
November 23, 2015

To Whom It May Concern:

It is with great pleasure that I write this reference letter for Anuj Opal. In the short time that we have worked together, Anuj has demonstrated exceptional programming ability and strong motivation at learning anything and everything about his craft. Anuj has quickly become a core member of the team with impactful contributions, which will sorely be missed as he heads to university.

Our company, Encircle, is a small startup focused on technological innovation in the insurance industry and strongly entrenched in the University of Waterloo startup ecosystem. Showcasing his motivation, Anuj worked through the university channels looking for a startup to volunteer at of his own volition. In exchange for his work, he asked for nothing more than valuable experience working on a large project, with a team, and on a real product; all things which are missing in a traditional academic environment. He quickly got up to speed on our development workflow using git and GitHub, and had real, impactful commits on the project within days of starting.

Given our extremely limited developer bandwidth, we could only offer little oversight and mentorship as Anuj started working on the project. His first task involved extending our Google Maps API integration to properly handle addresses without an associated Street View. Even though his prior exposure to web technologies was limited, Anuj navigated through the task efficiently and independently. However, he was quick to ask for help when needed, with direct well thought out questions, avoiding the decision paralysis trap that many younger developers often fall into. Anuj was also quick to incorporate our suggestions from the code review process, resulting in high code quality of the final product which was quickly integrated into the codebase.

Given his ability to work largely independently, we thought we could best utilize Anuj's abilities with a more exploratory project next. The insurance industry is not exceptionally advanced when it comes to technology, and so we have enormous burden of supporting legacy Internet Explorer versions. We tasked Anuj to find a way to package the website and our Chrome extension inside a browser like shell so we could distribute a full fledged Encircle experience as a desktop binary. He quickly settled on the GitHub Electron project and soon we had a pull request for a working version of the website neatly packaged as a desktop application.

Anuj is an exceptionally talented programmer who demonstrates ability far beyond what his years might suggest. His passion for learning and goal oriented nature will make him a great asset in any faculty, program, or place of employment.

Sincerely,

A handwritten signature in blue ink, appearing to read "Ronuk Raval".

Ronuk Raval (Co-founder)

A handwritten signature in blue ink, appearing to read "Christophe Biocca".

Christophe Biocca (Co-founder)