

ANUJ OPAL

2B Honours Computer Science (Co-op)
University of Waterloo
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Skills

- Highly proficient with C/C++, HTML, Javascript, Typescript, Ruby and AngularJS
- Experienced with CSS3, Less, Coffeescript, Lua, Bash, Python, C#, AWS, Rails, Node.js, Mercurial and Git
- Comfortable developing on all of Linux, Windows and OS X environments
- Exceptional work ethic, initiative and independent learning
- Conversational competency in both written and spoken French

Experience

Junior Software Engineer at Flipp, Toronto **January - April 2017**

- Back-end work using Ruby on Rails, AWS and Docker
- Completed both Kanban-style daily support tickets 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 tests

Full-Stack Web Developer at Imagine Communications, Waterloo **May - August 2016**

- Front-end web development in Typescript with AngularJS 1.5, back-end in C#
- Worked as part of a team using Agile development processes
- Created proof-of-concepts for Aurelia and Electron realistically showing the advantages and disadvantages of both frameworks
- Worked directly with QA engineers to quickly fix bugs

Software Developer at Encircle, Kitchener **July - August 2015**

- Independently implemented bug fixes and added functionality to the company website
- Designed and prototyped a desktop application using the Electron application framework; wrote detailed documentation to allow other team members to continue development

Projects/Extra-curriculars

RSA Cryptosystem

- Implemented the RSA algorithm in C++; system capable of generating keys up to 1024 bits
- Optimized the system in Coffeescript using the Electron application framework; generated keys upto 4096 bits

Prime number generation

- Implemented three different algorithms including the sieve of Atkin; generated the first 105 million prime numbers

Education

University of Waterloo, Waterloo ON, September 2015 - Present

Candidate for Bachelor of Honours Computer Science (Co-op), 2B
Minoring in English Language and Literature