ANUJ OPAL

1B Honours Computer Science (Co-op)
University of Waterloo
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Skills

- Highly proficient with C/C++, HTML, Javascript, Typescript and AngularJS
- Experienced with CSS3, Lua, Python, mercurial and git
- Experience with two-dimensional graphics processing and machine learning techniques
- Developed code on Linux and Windows environments
- Exceptional work ethic, initiative and ability to work independently
- Comfortable in both written and spoken French

Experience

Software Developer   **July 2015 – August 2015**
Encircle Inc. Kitchener, ON

- 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

Full-Stack Web Developer   **May 2016 – August 2016**
Imagine Communications Inc. Waterloo, ON

- Front-end web development in Typescript with AngularJS 1.5 and 2.0, back-end in C#
- Worked as part of a team using Agile development processes

Independent Projects

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

Sonus editor
- Developing a code editor with voice-to-text capabilities using the Electron application framework and the Google Web Speech API

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, 1B

Awards and Contests

- President's Scholarship of Distinction, University of Waterloo (95+ admissions average) – 2015
- 5 International Baccalaureate (IB) certificates – 2015
- Senior Canadian Computing Competition (70th percentile) – 2015
- Euclid Mathematics contest (70th percentile) – 2015
- Junior Canadian Computing Competition, Champion of Central and Western Ontario – 2014
- Fermat Mathematics contest (92nd percentile) – 2014
- Hypatia Mathematics contest (95th percentile) – 2014

Extracurricular Activities and Interests

- Fingerstyle guitarist; member of school and personal bands at various times
- University of Waterloo Creative Writing club, writing short stories and a novel
- Anonymous writer for University of Waterloo's MathNews
- Athlete at the Kitchener-Waterloo Sertoma Speed Skating Club (KWSSSC) since 2005
- Junior coach at the KWSSSC since 2011 (volunteer)