HENRY HE

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EDUCATION

University of Western Ontario   2015-19

- BSc Medical Science, Hon. Spec. Medical Biophysics
- Cumulative GPA: 3.95
- Academic Interests: medicine, imaging, computer vision, big data
- Bennie and Shirley Bradshaw Award in Science

RELEVANT EXPERIENCE

Schulich School of Medicine & Dentistry

Student Researcher (Med. Biophysics Dept.)   2016-cont.

- Developed a convolution filter algorithm to track individual RBCs *in vivo*
- Experience in **MATLAB** development and GUI design
- Skeletal muscle H&E stain automated segmentation in **gmsh**
- Collaborative version control using **Git** and **GitHub**
- Advisor: Dr. Christopher Ellis
- Dean's Undergraduate Research Opportunities Program award

Student Researcher (Microbio. & Immunology Dept.)   2016-17

- Deployed bioinformatics **R** package to responsive **Shiny** web app
- Advisor: Dr. Stephen Barr

Rare Genomics Institute

Scientific Analyst Manager   2016-17

- Create scientific content (ebooks, podcasts, video interviews with experts) for rare disease patients using **Illustrator, Photoshop** and **Premiere**
- Team lead for team of 8 students across Canada; chair virtual weekly meetings
- Advisor: Dr. Deepa Kushwaha

PROJECTS

henryhe.me − *Personal Website*   Aug. 2016

- **Bootstrap** main page and **Jekyll** static blog hosted on Github Pages

Mood Journal − *Hack the North*   Sept. 2016

- **Chrome** extension that tracks mood via webcam and links to browsing activity; uses **Microsoft Emotion API**, **Javascript** and **jQuery,** and **Plot.ly** visualization