

COLIN VAN DEN HOF

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EDUCATION

Dalhousie University

Special Undergraduate of Science (Computer Science), September 2016 – May 2017

GPA: 4.0 / 4.0

McMaster University

Bachelor of Health Sciences (Honours), September 2012 - May 2016

GPA: 3.94 / 4.0

Prizes: The Provost's Honour Roll Medal (2016), Dean's Honour List (2012-2016), President's Award (2012)

WORK EXPERIENCE

Blockcrushr Labs, Halifax, Nova Scotia

Software Developer, Fall 2017

Development of universal web application with ReactJS frontend.

Atlantic Lottery Outpost Lab, Halifax, Nova Scotia

Summer Student – Software Development, Summer 2017

Development of Alexa application in JavaScript and deployment with AWS Lambda. Development of lottery results scraper and deployment with AWS Lambda and Amazon API Gateway. Integration of scraper API with web application backend using Ruby on Rails. Frontend web application development in ReactJS.

Dalhousie University, Halifax, Nova Scotia

Teaching Assistant, Summer 2017

Responsible for creating and marking assignments, tests, and projects for CSCI 3120 Operating Systems.

Conducted in-class exercises and invigilated midterm.

Clover Medical Clinic, Halifax, Nova Scotia

Medical Clinic Assistant, Summer 2015

Responsible for reception and administrative tasks.

McMaster University, Hamilton, Ontario

Undergraduate Tutor in Physics, September 2014 - May 2015

Weekly tutor for first-year undergraduate Physics course at McMaster University.

PROJECTS¹

- *Six Men's Morris*: Desktop application written in Java with Swing GUI framework. Implemented Monte Carlo Tree Search algorithm for move selection.
- *Summarizer*: Extractive summarization tool written in Python, based on the TD(λ) reinforcement learning algorithm.
- *Checkers*: Console application written in C++ with rule-based move selection.
- Real-time multiplayer web game implemented in JavaScript with NodeJS backend

TECHNICAL SKILLS

Languages

Proficient: JavaScript, HTML/CSS, Python, C++

Previous Experience: R, Perl, Java

Development Software

Git, SVN, SublimeText, WebStorm, Eclipse

1. <http://github.com/ColinVDH>