

jamesandreou

Software Engineer

contact

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github.com/jamesandreou

languages

Java, JavaScript, C, C++,
HTML5, CSS3

technology

Node.js, ReactJS,
MongoDB, Unix, Git,
Linux, SQL, Android

skills

Algorithms, Operating
Systems, Unit Testing,
Networks, Security,
Concurrency, UI Design

education

University of Waterloo

(September 2013 - May 2017)

Candidate for **Bachelor of Computer Science (BCS)**,
Software Engineering Option, Combinatorics and Optimization Minor

experience

Mozilla - Software Engineer Intern

(May 2016 - August 2016)

- Summer 2016 DOM intern on the platform team.
- Implement and fix components of the Gecko web engine including the DOM and JavaScript API

projects

Graph Toolbox (www.graphtoolbox.com)

- Created a web app with ReactJS to create, manipulate and run algorithms on graphs
- Ability to test if a graph is planar and compute a graphical planar embedding, or find a K5/K3,3 minor proving the graph is not planar
- Some features include: directed / weighted edges, preset graphs, dynamic UI

Beugo the Blob (play.google.com)

- Developed an android arcade game implementing soft body physics algorithms to emulate blob bodies
- Additional features include different difficulties, interactive tutorial, level system and much more

WLP4 Language Compiler

- Created a compiler for a subset of the C++ language called WLP4
- Implemented tokenizer, lexer, code generator for main features of C++

awards

Markville SS Computer Science Award

- Awarded for achieving the highest computer science mark in my grade 12 year

extracurriculars

Rugby

- Senior boys rugby champions with an undefeated season

Tutoring

- TA for high school grade 11 computer science, as part of a special grade 12 course
- Volunteer tutor for grades 9-12 Math during high school

Clubs

- Member of the Computer Science Club at University of Waterloo
- Executive (Web Developer) of the Actuarial Science Club at University of Waterloo

Check out www.jandreou.com for a comprehensive portfolio and course details.