

<!DOCTYPE resume>

<head><title>alex_pegg_resume</title></head>

<body>

<div id='education'>

education()={
 honorary bs | computer science and economics;
 university of toronto | 2016-present;
 cs gpa 3.1;
 working towards AI;
}

</div>

<div id='coursework'>

coursework()={
 /* computation */
 software design and engineering;
 systems programming;
 computer organisation;
 data structures and analysis;
 numerical methods;
 computer science implementation project;

 /* stat/math */
 linear algebra I;
 calculus of several variables;
 probability and statistics I;
 introduction to mathematical proofs;
 calculus and linear algebra for commerce;

 /* economics */
 macroeconomic theory and policy;
 microeconomic theory;
 quantitative methods in economics;

 /* currently enrolled */
 machine learning and data mining;
 algorithm design and analysis;
 economic analysis of law;
 money, banking and financial markets;
}

</div>

<div id='skills'>

skills()={
 /* languages and technologies */
 # experienced
 python • java • javascript;
 # proficient
 html/css • c • numpy • neo4j • restful API • LaTeX;
 /* general */
 # os
 linux • mac • windows;
 # ides
 jupyter • eclipse • vim • idle;
 # other
 runtime analysis • design principles • agile
 development • mathematical computation
 optimisation and conditioning • proof of correctness
 • data structures;
}

</div>

</body>

</resume>

<div id='experience'>

experience()={
 /* university of toronto | teaching assistant */
 # winter 2019
 paid position at the university;
 hosted mandatory tutorials for the first year computer science course;
 demonstrated strong understanding of python coding and diagnostics;
 create solutions manuals and mark midterms/final exams;
 host office hours and invigilate tests;

 /* project include | teaching assistant */
 # summer 2018
 volunteering student initiative amongst team of 16;
 helped coordinate and carry out a coding bootcamp for at-risk secondary
 students across mississauga;
 teaching basic python at different libraries and schools for 4 weeks;
 preliminary marketing and organisation 8 weeks prior;

 /* university of toronto | special project */
 # early 2019-present
 volunteering project in conjunction with a professor;
 creating a indifference curve analysis (microeconomics) graphing software;
 full stack with HTML/javascript frontend, python backend (connected with
 jquery and flask python server);
 created an initial prototype alone over christmas, economics department
 head requested it on UofT economics homepage;
 pursuing optimisation and further development with a computer science
 professor;
 current URI: 142.1.44.135:5000 (may be ip restricted);

 /* independent | mini projects */
 # present
 small independent projects and compsci+art on website;
 further java and python experiments on github repository;
 links are by the icons at the top of page;
}

</div>

<div id='links'>

links()={
 /* email */

 /* website */

 /* github */

 /* linkedIn */

}
</div>