<!DOCTYPE resume>

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

<body>

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

```
coursework () = {
    /* computation */
    software design and engineering;
    systems programming;
    computer organisation;
    data structures and analysis;
    numerical methods;
    computer science implementation project;
    <br>
    /* stat/math */
    linear algebra I;
    calculus of several variables;
    probability and statistics I;
    introduction to mathematical proofs;
    calculus and linear algebra for commerce;
    <br>
    /* economics */
    macroeconomic theory and policy;
    microeconmic theory;
    quantitative methods in economics;
    <br>
    /* currently enrolled */
    machine learning and data mining;
    algorithm design and analysis;
    economic analysis of law;
    money, banking and financial markets;
}
```

```
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;
}
```

```
exprience () = {
    /* 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;
    <br>
    /* 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;
        prelimiary marketing and organisation 8 weeks prior;
    <br>
    /* 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);
    <br>
    /* 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;
}
```

```
links () = {
    /* email */
    <a href=mailto:alex.pegg@mail.utoronto.ca></a>
    /* website */
    <a href=peggalex.github.io target="_blank"></a>
    /* github */
    <a href=github.com/peggalex target="_blank"></a>
    /* linkedIn */
    <a href=linkedin.com/in/alexander-pegg-68b954163 target="_blank"></a>
}
```

</body>

</resume>