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FARAZ KHOSHBAKHTIAN

Career Aspirations

Through an extensive training in Computer Science and Philosophy, I aspire to expand and put into use my knowledge of social complexities, technology, and logic to create efficient and intelligent web applications that help us digest, utilize and democratize the exponentially growing mass of data that is becoming available through everyday technological developments.

My biggest professional asset is being able to self-educate. Throughout a journey of being a refugee to becoming a Canadian citizen, regardless of being a full-time student and continuously active in the job market, I have managed in recent years to teach myself: Google Angular development, English, linear algebra and machine learning applications, algorithmic thinking, and basics of Unity Engine.

Skills Summary

Formal Logic	Angular/HTML, CSS, .TS	Scalable Development/ Asymptotic Analysis
C Memory Model	Machine Learning Applications/Python	Unity Engine/C#
Adobe Creative Cloud	Microsoft Office Suite	Thorough Documentation Capabilities

Experience

Where?	When?	What?

Control Designer LLC	2018-Ongoing	- Web Developer
		  - Website design and deployment using **HTML**, **Bootstrap CSS**, and **.ts;** bslxls.com, statebasedcontrol.com
		- Quality Control Office
		  - Running validity and efficiency tests on **VB code**. Debugging code. **Project Analysis**.

Code at the Edge	2018-9	- Work-Study Student under Matt Price: **Web Application Deployment** and **Curriculum Preparation** on Web-Development - Helped to produce and maintain a static **Hugo website** that held the curriculum information of a web-development course for high school students with low access to internet. Assisted in local deployment of JS bin **code playground** on a **Raspberry Pie**.
Department of Philosophy, University of Toronto	2018-9	- Teaching Assistant under Prof. James John [*Introduction to Philosophical Problems*] - Led 2 tutorial groups of 25 students for 8 months. Weekly PowerPoint presentations, over 200 essay and exam evaluations, Office hours and communications. Used basic **machine learning linear regression techniques** to model the student data.

Department of Philosophy, University of Toronto	Summer, 2018	- Work-Study student under Mary Frances Ellison, Department's Assistant
		  - Gathered data for the department's placement record, used **Microsoft Excel** to model and utilize the data for the department statistical records.
		  - Maintained and updated the department's **WordPress website**.
		  - Front desk assistant.

Jackman Humanities Institute	Summer, 2016	• Scholar in Residence under prof. Yiching Wu: Research on the Chinese Cultural Revolution
		    o Documented the archival data.
		    o Used basic statistical application in Excel to study and draw conclusions on the Chinese government official harvest records.

Relevant Skills

- Extensive experience in formal logic;
- Trained in Algorithmic Thinking and scalable design;
- Group Work and collaboration; Professional experience with version control systems;
- Java; Data Abstraction, Encapsulation, Inheritance, Polymorphism;
- Java; Exception handling;
- C; memory model, pointers, dynamically allocated memory;
- C; pipes, client-server relationship, file handling, file descriptors, system calls, and signal handling;
- Experience with utilizing machine learning applications:
  - Linear regression, Polynomial regression, Decision tree regression, and SVR applications
- Professional Background in web development:
  - Static website design; jQuery, HTML, Bootstrap CSS, Markdown
  - Web applications; Angular: animations ,unit testing, offline capabilities, Firebase SDKs, components, data/property biding, directives, observables
  - Relative experience with deployment of Alexa Skills.
- Strong record of volunteer work, community leadership, workplace teamwork, and interpersonal dynamics;
- Extensive knowledge of Microsoft Office Suite (Word, Excel, Outlook);

Institutional Education

Fourth year specialist student in Philosophy and Computer Sciences

- Cumulative GPA of 3.72 – 2019 Spring

Volunteer Work

- **InDepth Conference at University of Toronto's Munk School of Global Affairs**
  - Workshop facilitator, 2017-8
  - Research executive, 2017-8
  - Media coordinator, 2017-8
- **Phoenix Iranian Cultural Center in Toronto (PICCT)**
  - Co-founder, 2016-7
- **Cine-Iran Film Festival in Toronto (CIFT)**
  - Co-founder, 2016
- **Pendulum, a Diasporic Future Film Shoot in Toronto**
  - First assistant to the director, 2018

Awards

- Sam & Mary Restivo Family Admission Scholarship. (Toronto, Canada – Sep 2015)
- Jackman Humanities Scholars in Residence Scholarship (Toronto, Canada – Aug 2017)
- Woodsworth College Brookfield's Leadership Scholarship (Toronto, Canada- Nov 2018)