Laurier Mantel

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PROFILE OF SKILLS

- User Interface design: Developing UI for industrial systems and web applications
- Programming: JavaScript, C++, C#, Python, PHP, SQL querying, ASP.NET Framework
- Bilingual communication and teamwork skills: Developed as a Systems Designer for Grantek
- Leadership: Experience in developing product for launch, business planning and delegating to large teams

EXPERIENCE

Systems Designer, Grantek Systems Integration Inc. (Montreal office) Co-op   **Jan.2015-Apr. 2015**

- Communicated independently with external stakeholders such as vendors, clients, and management to make budget quotes for clients and equipment decisions
- Designed user interfaces for industrial manufacturing systems for several clients
- Managed time and accountably billed hours to multiple clients using timesheets
- ASP.NET Web Application
    - Developed the front end of a client's web app using HTML, CSS, JavaScript, ASP.NET frameworks
    - Created dynamic, printable data outputs in HTML used to distribute data to managers in plants

Academic Representative, Systems Design Engineering   **Sept. 2014-Present**

- Represented class needs and desires by liaising with Systems Design Engineering faculty
- Optimized the class bank of academic resources and information for each semester of study

PROJECTS

Personal Web Application: Lauriermantel.com   **May 2015**

- Integrated full back-end development with PHP and MySQL
- Designed front-end system with jQuery, JavaScript, HTML, CSS, BootStrap
- Created IP address location tool to store user data and deliver real time use information to admin via email

JONAS: McHacks Hackathon Project (see GitHub for more information)   **Feb. 2015**

- Designed and programmed an SMS chat-bot able to engage in conversation using Alchemy Natural Language API

Liftek Systems Design Engineering Design Project   **Sept.2014-Dec.2014**

- Applied engineering principles and iterated through design process to develop equipment for ski lifts to improve user experience for skiers and snowboarders at ski hills
- Evaluated design/start up opportunities during idea generation for commercial viability

Point Blank Startup: SHAD Entrepreneurship Cup CEO   **Jul. 2013-Aug. 2013**

Developed entrepreneurial experience while launching an innovative technology to make longboarding safer.

- Organized and managed a team of over thirty spread across North America
- Created business plan including financial projections, market analysis, and commercialization timelines

EDUCATION

BASc. Systems Design Engineering, **University of Waterloo**   **Sept. 2014-present**

- Relevant courses: Human Factors in Design, C++, Hardware Design, Graphic & CAD Design
- 3.7 GPA in 1A (first semester)

Online Courses   **Jan. 2015-Apr. 2015**

- Udemy Web Development course – HTML, CSS, JavaScript, PHP, MySQL, jQuery, Twitter Bootstrap

ACHIEVEMENTS

Royal Conservatory of Music Grade 8 Classical Guitar Certification   **Jul. 2014**

Completed all requirements in classical guitar technique and theory knowledge.

PERSONAL INTERESTS

Sports: Long distance running, basketball, soccer
Music: Electric, acoustic, classical guitar, bass guitar
Hobbies: Chess, cooking, hackathons, Startup Weekends