

DAVID YEE

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EDUCATION

- University of Alberta** **Edmonton, AB**
B.Sc. First Class Honors Computing Science with Science Internship Practicum **Jun. 2017**
- **Certificate:** *Computer Game Development Certificate*
 - **Leadership:** *Science Faculty Association - Director of Web Design* **2013 - 2015**
 - **Publications:**
 - *Medical Image Compression based on Region of Interest using Better Portable Graphics (BPG)* **IEEE SMC 2017**
Jul. 10 2017
 - **Awards:**
 - *Kao Family Eisenco Scholarship (\$1000)* **2015**
Awarded to an individual with superior academic excellent in Computing Science.
 - *Students' Union Award for Invaluable Contribution (\$1000)* **2015**
Recognizes outstanding contribution to an organization in a behind-the-scenes role.
Awarded for my contributions to the science faculty association.

TECHNICAL SKILLS

- **Languages:** *Fluent:* Java SE, C, Swift for iOS, SQL
Proficient: Java EE, Python, C#, C++, Node.js, jQuery, HTML/CSS
- **Libraries/Frameworks:** Spring Framework, Java Swing & JavaFX, Hibernate ORM, Bootstrap
- **Software:** Git, Eclipse IDE, Xcode, Visual Studio, WordPress, Apache/Nginx & Linux Administration
- **Certifications:**
 - Oracle Certified Professional, Java SE 8 Programmer II (OCPJP) **Jan. 2017**
 - Oracle Certified Associate, Java SE 8 Programmer (OCAJP) **Nov. 2014**
- **Other:** Participation in online technical Q&A sites such as Stack Overflow

RELEVANT EXPERIENCES

JYLtek Inc. **Edmonton, AB**
Lead Developer **Aug. 2014 – Present**
www.jyltek.com

- Design, code, and implement a real-time point-of-sales system for iOS in Swift
- Develop backend with Microsoft Azure using Azure SQL Server and a Node.js App Services API
- Manage two other developers through each iteration/sprint
- Manage product user-stories and oversee product completion

Key Accomplishments:

- Completed a point-of-sales system for iPad which was successfully deployed in a cellular-enabled food truck since the 2016 spring and summer season
- Adapted to the continuously changing language specification of Swift 1.0 for iOS released in 2014 to the current Swift 3 and the now discontinued Mobile Services in Microsoft Azure
- Planned, designed, and implemented all supporting layers (database, backend service, and front-end UI) of the sales system

Edmonton Chinese Alliance Church*Lead Website Developer - Volunteer*www.ecac.ca**Edmonton, AB**
Sept. 2014 – Present

- Oversee and design a new trilingual website (English, Cantonese, and Mandarin) for the church
- Manage and administrate a remote Ubuntu Linux server hosted on Microsoft Azure
- Plan and lead meetings with other webmasters
- Collaborate with individuals from various disciplines during design process
- Provide technical solutions to the communication needs of the church members

Eclipse Foundation*Mylyn Contributor***Edmonton, AB**
Sept. 2016 – Jan. 2017

- Add features in Java to the Mylyn task management subsystem that is a part of the Eclipse IDE
- Collaborate with four other remote developers in Canada
- Review code contributions and participate in the open-source development process

Accelerated Games*Lead Developer and Founder***Edmonton, AB**
Oct. 22, 2010 – May. 2016

- Develop template genre kits for the real-time 3D authoring system, 3D Gamestudio
- Develop custom code in Lite-C / C for clients
- Develop and maintain a company website

Key Accomplishments:

- Sold business licenses to the science center and Catholic school board in Edmonton
- Sold additional licenses to individuals internationally particularly from Germany and the USA

M31 Design Group*Software Developer***Edmonton, AB**
Sept. 2015 – Apr. 2016

- Design, code, and test major features for a multi-tiered, object-oriented Java/Spring and C#/.NET web application in collaboration with three other developers
- Deploy and test new versions of the software on Amazon EC2 instances
- Actively participate in team meetings and offer recommendations on design approaches
- Actively participate in agile development methods as used by the organization

Key Accomplishments:

- Improved the efficiency of the software development process which saved the company over \$35 000 per year
- Optimized the backend Java Hibernate data access layer and prepared technical demonstration to senior engineers on how it improved the maintainability and efficiency of the application

Interdepartmental Science Students' Society*Director of Web Design*www.isss.ca**Edmonton, AB**
May 2013 – Apr. 2015

- Maintain, upgrade, and add relevant content to the student group's WordPress website
- Design, code, and implement technological solutions to the group's needs (PHP and Python)
- Provide student services and advocate for science students at the University of Alberta

Key Accomplishments:

- Setup a Debian VPS and migrated existing web data to the new server to serve content more quickly to the 3000+ students who visited every month
- Overhauled the website with a more user-friendly design which resulted in the Students' Union Award for Invaluable Contribution in 2015