

# DAVID YEE

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## EDUCATION

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- 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**

## TECHNICAL SKILLS

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- **Languages:** *Fluent:* .NET Core 2, Swift for iOS, Java SE, SQL (Postgres, SQL Server, SQLite)  
*Proficient:* Python, C#, .NET MVC, JavaScript, TypeScript, Node.js, HTML/CSS, Java EE, OData
- **Libraries/Frameworks:** Angular 5+, Spring Boot, Java Swing & JavaFX, EF & Hibernate ORMs, Bootstrap
- **Project Management & DevOps:** Atlassian Jira, Confluence, Bitbucket, Bamboo (CI), Jenkins
- **Software:** Git, Eclipse IDE, Xcode, Visual Studio, WebStorm, IntelliJ, Adobe Creative Suite, WordPress
- **Infrastructure:** Azure (App Service, SQL Server, VMs), AWS (EC2), Windows Server, Debian, Ubuntu, VMware ESXi, Apache, Nginx, IIS
- **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

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- Accelerated Software Corp.** **Edmonton, AB**  
*Software Consultant* **Mar. 2018 – Present**  
[accsoft.co](http://accsoft.co)
- Develop and sell on the worldwide iOS App Store “Home Alarm” (Swift 4+) to easily monitor, arm, or disarm Honeywell Intruder Detection Systems through an attached Raspberry Pi
  - Develop and sell on the worldwide iOS App Store “My Garage” (Swift 4+) to monitor and control a garage door lift using a relay switch, magnetic contact, and Raspberry Pi

- Supreme Group LP** **Edmonton, AB**  
*Intermediate Application Developer* **Jul. 2017 – Present**  
[www.supremegroup.com](http://www.supremegroup.com)
- Design, code, and implement new features for an internal C# .NET Material Requirements Planning (MRP) desktop application and develop new line of business web applications
  - Integrate and automate existing processes and data exchange between business applications
  - Report to the Director of Business Solutions with technical recommendations and timelines

### Key Accomplishments:

- Championed the implementation of project management tools and processes with Atlassian Jira Software & Service Desk, Confluence for Document Control, and Bamboo for Continuous Integration
- Designed and developed an Angular 5, .NET Core 2 webapp for Non-Conformance Management used by the Quality Assurance department and upper management
- Introduce business intelligence (BI) concepts and deployment with Microsoft Power BI

**JYLtek Inc.***Lead Developer*[www.jyltek.com](http://www.jyltek.com)**Edmonton, AB**  
**Aug. 2014 – Present**

- 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](http://www.ecac.ca)**Edmonton, AB**  
**Sept. 2014 – Present**

- Implement and design a new trilingual WordPress website (English, Cantonese, and Mandarin)
- Administrate Office 365 and Azure AD identity to the 7 staff and 200+ members
- Administrate Azure VMs and web services for 1000+ website visitors a month
- Provide WordPress training for other webmasters

**Eclipse Foundation***Mylyn Contributor – Open Source Volunteer***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, a C-family programming language, 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 Java Spring eCommerce ticketing system, GoAsAGroup, and an internal C# .NET MVC Materials Requirement Planning (MRP) web application in collaboration with three other developers
- Run tests and CI in Jenkins and deploy 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