

# 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 2/3, C#, .NET MVC, Swift for iOS, Java SE, SQL (Postgres, SQL Server, SQLite)  
*Proficient:* Python, JavaScript, TypeScript, Node.js, HTML/CSS, Java EE, OData
- **Libraries/Frameworks:** Angular 8+, 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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- Tachyon Code Corp.** **Edmonton, AB**  
*Software Consultant and President* **Aug. 2019 – Present**  
[www.tachyoncode.com](http://www.tachyoncode.com)
- Establish own federally incorporated business to develop and sell applications on app store platforms worldwide
  - 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 / Framewerx** **Edmonton, AB**  
*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
  - Part of IT department separation from Supreme Group to Framewerx in Jan. 2020

### Key Accomplishments:

- Lead, design, and develop an Angular 8, .NET Core 2 webapp for production progressing and shop timesheet tracking for better line of sight on business operations and key performance metrics. This

webapp is utilized by wireless tablets and barcode scanners for use upwards to 100 daily, simultaneous active users across all of Supreme Group's fabrication shops.

- Championed the implementation of project management tools and processes with Atlassian Jira Software & Service Desk, Confluence for Document Control, and Bamboo for Continuous Integration
- 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

#### **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 - Internship*

**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 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