Resume for Nathan M. Tong

Name: Nathan M. Tong **City of Residence:** Bellevue, Washington	**Phone Number**: (425) 736-1989 **Email**: nathanmtong@hotmail.com	**LinkedIn:** www.linkedin.com/in/nathan-tong-633b7a119/ **Website:** ton142.github.io/Website/

Education:

Sept 2015 – Nov 2019	**University of British Columbia, Vancouver BC (Graduation Class Fall 2019)** **Major:** BSc. Computer Science
Sept 2011- June 2015	**Interlake High School, Bellevue, WA** IB Diploma (2015), AP Scholar, High School Diploma (June 2015)

Work Experience:

Date	Company and Position	Responsibilities and Tasks
June 2018 – Sept 2018	AeroTec: Software Development Engineering Intern www.aerotec.com	- Part of the software engineering team working on flight test software used for real-time flight telemetry and data acquisition in FAA certification process (RAD, TOM, DCT, TIM) - Assisted in the onboarding integration of Agile Sprint Planning practices and Scrum team implementation to include requirements analysis and specifications, code review, feature prioritization, pre-planned scheduling of tasks, testing and user validation, and provide feedback. - New feature development and maintenance using Mercurial and Visual Studio Team Services in a team environment through planning, review, feedback and validation - Technical Writing and Documentation of software features, bugs and updates – validation through code reviews and walkthroughs with senior developers
June 2015 – Sept 2015, June 2016 – Sept 2016	Safeway and The Home Depot: Front End Cashier www.safeway.com www.homedepot.com	- Provide Customer Service to resolve and answer customer needs - Compute and handle merchandise, answer calls regarding merchandise, and assist other departments - Promote customer loyalty programs
Feb 2012 - Present	Private Tutor	- Provide students with test preparation and study skills - Review and reinforce concepts within Math, English and Science - Apply learning concepts to new applications

Technical Skills:

Java (Advanced), REACT, Visual Basic (Advanced), C/C++, C#, HTML/CSS, Dr. Racket, TypeScript/JavaScript, Prolog, Haskell, Python, SQL, XAML/WPF, LaTeX

Technical Experiences:

- Agile Sprint Planning Practices involving code maintenance, code review, requirements analysis and specifications, feature requests, prioritization and bug fixes, testing and validation, and feedback.
- Use Software Engineering architecture design practices to improve graphical interfaces using Model – view – view model software architecture pattern and UI practices.
- User Experience skills and visual design with Adobe (XD) and Invision.
- Experience with Tableau for Data visualization assignments.
- Experience with Microsoft Office Tools (Office 2013 Certifications)

- Personalized Website with HTML User Interfacing Skills, CSS

Technical Activities:

- **XDHacks at UBC (2019)**
  - Product: re:mine – patient reminder and compliance system
  - Programming in JavaScript using REACT, Design and Interfaces using Adobe XD
- **Seattle International Startup Weekend (2018)**
  - Startup: Packd – an intelligent travel concierge
  - Startup Process involving UI (Adobe XD) development, Marketing, Design and Business models
  - Final Startup Pitch and Presentation
- **Alexa Workshop and Amazon Echo Skill Development (2017-Present)**
  - AWS and lambda functions publishing Alexa Skill "DevProBot"
- **Axiom Zen & BCS Hackathon (March 2017)**
  - Art-Possible Page using REACT, Javascript and HTML to showcase local digital art
- **Unity and Gear VR and AR Development Experience - Games and Simulations (2017 – Present)**
  - UBC AMS Game Development Association (AGDA) (Physics World Project)
  - Unity, Vuforia and Gear VR Headset development in C#
- **Research Experience Program (REX) Undergraduate Research for Computer Science (2017-Present)**
  - Work with Students and Professors (Bader Alahmad) on Research Project
  - Real-time compute systems, avionics and scheduling theory, presented at UBC MURC Conference
- **UBC Computer Science Tri-Mentoring Program (2016-Present)**
  - Mentored by employees of Hootsuite and Hothead Games
- **UBC Local Hack (Dec 2016)**
  - Product: AddMee: IOS app allowing to access multiple social media applications under a single application in Java and HTML
- **Microsoft Coding Competition (Sept 2016)**
- **First Robotics Competition Interlake High School Robotics Club (2011-2012)**
- **Coached First Lego League Washington Regional Tournament (Highland Middle School) (2011-2012)**
- **Arduino and Propeller, Raspberry Pi Projects Experience**
- **YouTube Video Editing Projects and Creative Content (2010 – Present)**

Interests and Club Activities:

- UBC AMS Game Development Association (AGDA)(2017-Present)
  - VR/AR Development along with game development (Unreal, Unity, Indie)
  - Worked on VR Physics World Project (written in C# using Unity)
- UBC Badminton Club (2017- Present)
- UBC K-Wave Club (2017-Present)
- Completed Washington State Music Teachers' Association Adjudications Program for Piano (2008 - 2014)
- Host of IHS Community Art Fair for IB CAS Project (2015)
- VIBES - Volunteer in Bellevue's Education System as a Tutor (Jan 2013 – June 2015)
- Robotics Club at Interlake High School (2011, 2012)
- Cross Country (2011, 2012)
- Woods, Metals, 3-D Printing Technology
- Video Editing, Creating Youtube Video Content, Digital and Web Publishing