

Resume for Nathan M. Tong

Name: Nathan M. Tong

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City of Residence: Bellevue, Washington

Education: September 2015 – Present **University of British Columbia, Vancouver BC (Graduation Class Fall 2019)**

Major: BSc. Computer Science

September 2011-June 2015 **Interlake High School, Bellevue, WA (Grades 9-12)**

IB Diploma (2015), AP Scholar (June 2014 and June 2015), High School Diploma (June 2015)

Work Experience:

Date	Company and Position	Responsibilities and Tasks	References
June 2018 – September 2018	AeroTec: Software Development Engineering Intern https://www.aerotec.com	<ul style="list-style-type: none">- 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	Hiring Manager: Sarah Rockwell (206) 763-6087 rockwell@aerotec.com Senior Software Engineer: Matt Wade (206) 486-1328 MWade@aerotec.com
June 2015 – September 2015, June 2016 – September 2016	Safeway and The Home Depot: Front End Cashier https://www.safeway.com https://www.homedepot.com	<ul style="list-style-type: none">- 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	Safeway: Store: 1 (425) 373-5263 The Home Depot: Store: 1 (425) 451-7351 Assistant Manager: 1 (425) 451-7351 (Jacki Wolfram)
February 2012 - Present	Private Tutor	<ul style="list-style-type: none">- Provide students with test preparation and study skills- Review and reinforce concepts within Math, English and Science- Apply learning concepts to new applications	Sam Harrington 1-(425)-533-5521 Sam_b_harrington@hotmail.com Maureen McDermott momcdermott@hotmail.com

Programming and Technical Experience Extracurriculars:

Coding Experience: Java, C/C++, C#, HTML, Dr. Racket, TypeScript/Javascript, Prolog, Haskell, Python, SQL, Visual Basic, XAML/WPF, Visual Design (Adobe XD)

Software Experience and Skills

- 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

Software Development and technical activities

- **XD Hacks at UBC (2019)**
 - Product: re:magine – patient reminder and compliance system
 - Programming in JavaScript using REACT, Design and Interfacing using Adobe XD
- **Seattle International Startup Weekend (2018)**
 - Startup: Packd – an intelligent travel concierge
 - Learn about Startup Process involving UI (Adobe XD) development, Marketing, Design and Business models
 - Participated in final Startup Pitch and Presentation
- **Alexa Workshop and Amazon Echo Skill Development (2017-Present)**
 - Experience working with AWS and lambda functions publishing Alexa Skill “DevProBot”
- **Axiom Zen & BCS Hackathon (March 2017)**
 - Product: Art-Possible Page using REACT (first time experience) to showcase local digital art
 - Programming in HTML and JavaScript working with a group of 4
- **Unity and Gear VR and AR Development Experience - Games and Simulations (2017 – Present)**
 - Part of UBC AMS Game Development Association (AGDA) (Physics World Project)
 - Online Tutorials of games and simulations from Unity coded in C#
 - Experience using tools such as Vuforia and Gear VR Headset, Online Tutorials Coded 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
 - Exposure to technical industry by visiting offices and learning about ongoing projects
- **UBC Local Hack (Dec 2016)**
 - Product: AddMee: IOS app allowing to access multiple social media applications under a single application
 - Programming in Java and Html working in a group of 4
- **Microsoft Coding Competition (Sept 2016)**
 - Participated and Solve Questions with a group
- **First Robotics Competition Interlake High School Robotics Club (2011-2012)**
 - Worked on Programming (Web Development) and Media Teams
- **Coached First Lego League Washington Regional Tournament (Highland Middle School) (2011-2012)**
- **Arduino and Propeller, Raspberry Pi Projects Experience**
 - LED and Simple Machine Projects
- **YouTube Video Editing Projects and Creative Content (2010 – Present)**
 - Sony Vegas Software

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