

Joel Smith, Sixth year BE (Honours) in Electrical Engineering / B Computer Science UNSW

Expected Graduation: April 2020 **Date of Birth:** 08 June 1996

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Technical Ability

- ❖ Proficient understanding of Python, C, Java
- ❖ Some experience with Shell, Perl, Matlab, Haskell, Prolog, JavaScript, HTML/CSS, Swift, Pyspark, Liquid, Ruby, Assembly, Visual Basic
- ❖ Familiar with Git, XCode, Keras, OpenGL, NumPy, P5, Excel, PyTorch, TensorFlow, Spark, Hadoop
- ❖ Completed courses on algorithms, artificial intelligence, operating systems (OSI61), network programming, computer graphics, neural networks and language design
- ❖ Studied electronics, digital signal processing, control systems, electromagnetics, RF electronics and electrical engineering design

Employment and Work Experience

- ❖ UNSW Co-op Internship at QBE Insurance in Enterprise Architecture, DevOps, Application Services Jul 2017 – Feb 2018
- ❖ UNSW Co-op Internship at Westpac Group as Data Engineer in the Data Driven Experience Platform (DDEP) Jul 2018 – Dec 2018
- ❖ iOS Developer at Coffee Better (IOS Start-up), Dec 2018 – Feb 2019
- ❖ UNSW Network Programming Tutor, 2019 – Present
- ❖ UNSW Assistant Introduction to Computing Tutor and Lab Demonstrator, 2016
- ❖ Web Developer for Dozen Avenue (Start-up Men's Underwear Company), 2018
- ❖ Freight and imports worker, Australasian Mail Services, Oct – Dec 2015
- ❖ Private High School Tutor (HSC Mathematics, Science), 2015 - present
- ❖ Private Music Tutor (Brass, Piano, Guitar), Self Employed, 2015 - Present
- ❖ Primary School Band Tutor (Low Brass), Dulwich Hill Primary School, 2015 – 2016

Personal Coding Projects

- ❖ [Groovin' The View](#) – Music visualiser built using JavaScript library, P5
- ❖ [Portfolio Website](#) – Website to showcase projects and resume

Education

- ❖ 6th year Electrical Engineering and Computer Science, UNSW (WAM 74.800)
- ❖ Honours Thesis 'Qualitative Assessment Metrics For Transfer Learning' – Nov 2019 (83 DN)
- ❖ Higher School Certificate, Fort Street High School (ATAR 97.45)

Awards and Qualifications

- ❖ UNSW Dean's Honours List, 2015 – 2017
- ❖ UNSW Computing Leadership Award, 2015
- ❖ Fort Street High School's Principal's Prize – Leadership
- ❖ Nominated for 2014 HSC Encore for Musical Composition

Community Service and Other Activities

- ❖ Project Officer/IT Officer for Fortunate Food Co. in UNSW Enactus, 2018
- ❖ Head of Sound and AV at local church, Caringbah Anglican church, 2009 - present
- ❖ Children's and Youth Ministry Leader, Caringbah Anglican Church, 2015 – present
- ❖ Band co-ordinator, Caringbah Anglican Church, 2015 – present
- ❖ UNSW CREATE club member, 2015 – present
- ❖ World's Greatest Shave Participant (raised 1.6k), March 2018
- ❖ Sutherland Shire Community Brass Band Member, 2005-2010
- ❖ Fort Street High School SRC, 2009 – 2013
- ❖ Member of NSW Arts Unit Ensembles (toured internationally), 2009-2014