

Alvin Cheung

BAS, Chemical EIT

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OBJECTIVE:	Engineer in training looking to broaden their skillset and branch into more challenging fields of interest.		
EDUCATION:	BAS in Chemical and Biological Engineering , Biological Specialization The University of British Columbia, Vancouver GPA: 3.5/4.33 81.4% Average	Apr 2019	
TECHNICAL SKILLS:	Hands on: Metallurgy Electrospinning Rheometry HPLC Bioreactor Operation Pilot plant operations Computer: Aspen Plus/HYSYS Excel VBA AutoCAD MATLAB C Python Linux Adobe Photoshop Microsoft Office Suite Other: WHMIS Emergency First Aid for Industry Level A CPR/AED Chem. & Bio. Lab Safety Certified		
WORK EXPERIENCE:	Kemetco Research – Contract Research and Testing Labs <i>Chemical Engineer In Training</i> <ul style="list-style-type: none">Design, build, and operate industry leading pilot-plant scale metallurgical equipment for new and innovative processes.Provide crucial analytical solutions during developing projects to ensure that results are well justified and remain in scope.Work under pressure and maintain focus in hazardous environments for twelve hour shifts during a research campaign.Interpret large sets of data and communicate findings for internal and external reports which are used to further optimize operation processes. Barrick Gold – AuTec: Vancouver Technology Center <i>Metallurgical Technician</i> <ul style="list-style-type: none">Carried out self directed research and optimization of using cyanide alternatives such as halides and amino acids for low grade gold extraction.Developed experimental methods for the analysis of glycine, triiodide and iodine on UV-Vis spectrophotometry.Performed gold extraction and sulfur generation experiments in a 5L bioreactor vessel at highly corrosive conditions.Analyzed experimental data and wrote proposals, progress, and final technical reports to help with the decision taking for the next steps of the project.	May 2019 - Present Jan 2018 – Aug 2018	
EXTRACURRICULAR:	Home Network and Server Development <i>Self Driven Project</i> <ul style="list-style-type: none">Familiarized myself with Linux environment to transform old computer to a home, web, and game server running both Nextcloud and Open Media Vault.Set up an optimized home internet network to accompany up to 15 users using a managed switch, mesh Wi-Fi, VLAN, and L2 Functions. UBC Mentorship Program <i>Upper Year Mentor</i> <ul style="list-style-type: none">Provided guidance to younger students for both academic career and post graduation perspectives.Helped connect students with professors and industry professionals to encourage networking.	Apr 2020 – Aug 2020 Sep 2018 – Apr 2019	
NOTABLE HONORS:	<ul style="list-style-type: none">Canfor Corporation Scholarship.Graham Somerville Undergrad Scholarship.Ranked top 10% academically within the Faculty of Applied Science for two consecutive years.	2019 2019 Sep 2017 – May 2018 Sep 2016 – May 2017	