Research assistant Research assistant Research assistant Los Angeles, CA Positions involving analytical thinking, technical systems, materials engineering, programming, applications of mathematics, writing, or societal development while developing problem-solving skills and further exploring science, technology, and society as well as exploring the social outcomes of these processes and interactions Authorized to work in the US for any employer Work Experience Research assistant Barmak Group (Columbia University) - New York, NY October 2018 to May 2019

Characterized grain boundaries of Al-Mn alloys with reference to their use in single photon detectors Wrote standard operating procedures for setting up and running FORTRAN code Analysed SEM samples and interpreted technical diagrams Solved major logistical problem of analysis with code and software Research intern California NanoSystems Institute - Los Angeles, CA July 2017 to August 2017 Tested cryo-electron microscopy prototype software Studied viability of algorithms and presented on findings Coded in MATLAB and C++ Web developer intern The Industry Edge - Los Angeles, CA June 2016 to August 2016 Reimplemented Wordpress site Wrote Groovy/Java, JS code for company product Software developer intern FC Flamingo - Los Angeles, CA July 2013 to August 2013 Documented JS code for client project Set up GNU/Linux systems, software for company R&D Freelance web consultant Los Angeles, CA February 2012 to August 2013 Collaborated in managing WordPress installation, backend maintenance Set up system for proprietor to automatically update information without programming knowledge via FTP and WordPress Education Bachelor's in Materials Science & Engineering Columbia University School of Engineering and Applied Science - New York, NY August 2014 to May 2019 Skills Abaqus (Less than 1 year), Android (Less than 1 year), Common Lisp (Less than 1 year), CSS (2 years), Excel (2 years), Linux, Word, Project Management, Customer Service, Python (3 years), ruby (3 years), Microsoft Office (4 years), Microscopy (3 years), Materials science (4 years), C (Less than 1 year), Java, Labview, CAD Groups WKCR October 2014 to May 2018 Role: New Music Programmer Radio host on New York's 89.9 FM. Hosted 100+ hours of radio content to thousands of listeners in the tri-state area. CISA September 2018 to May 2019 Role: Secretary Secretary of the Columbia Iranian Students Association. I was responsible for sending out weekly emails and

helped coordinate events for 200+ members. The Philolexian Society of Columbia University January 2015 to May 2019 Role: "Phull and Engorged Member" Initiated and active member of a leading (satirical) debate club. UCLA Medical Center June 2016 to July 2016 Role: Office Volunteer Worked in the office of my hematologist filing papers while receiving treatment for leukemia and GVHD. Additional Information SKILLSET Programming Languages: Ruby, Python, C, C++, Common Lisp, Java, JavaScript Software: Abaqus, MATLAB, Mathematica, Excel, HTML/CSS, OpenSCAD, Git, Heroku, LaTeX Languages: English, Persian, Spanish Operating Systems: Windows, OS X, GNU/Linux (Fedora, OpenSUSE, Ubuntu), iOS, Android Tools: soldering, wet chemistry, measurement

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