

Nicholas Chung

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EXPERIENCE

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| Proposal Analyst | Northrop Grumman | Aug. 2019 - Sept. 2020 |
| <ul style="list-style-type: none">• Managed multiple proposal and white paper efforts in coordination with program managers• Generated compliance matrices and supporting the proposal development process• Developed VBA scripts to automate requirements decomposition and drafts revisions• Contributed to strategic planning meetings and created output charts for program managers | | |
| Sensors Engineer | Northrop Grumman | Jul. 2018 - Aug. 2019 |
| <ul style="list-style-type: none">• Integrated cRIO and PC hardware with high-speed centrifuge to gather metrics on accelerometers• Worked with lead software engineer to develop a LabView suite for tuning and testing gyroscopes• Developed a script (500+ lines of SQL and MATLAB) to mine data from Oracle database and analyze trends on combinations of sensor parameters• Collaborated with off-site and on-site teams to manage scheduling through GANTT charts | | |
| Embedded Software Engineer | Northrop Grumman | Jul. 2017 - Jun. 2018 |
| <ul style="list-style-type: none">• Developed a script (1000+ lines of MATLAB) that automatically generated a Simulink system diagram and custom report from an interface controls document• Generated bi-directional traceability matrices using DOORS• Compiled and peer-reviewed software design documents | | |

EDUCATION

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| Masters of Computer Science, UCI | Oct. 2020 - Dec. 2021 |
| <ul style="list-style-type: none">• GPA: IP• Current courses: Advanced Programming Problem Solving, Fundamentals of Algorithms, Introduction to Artificial Intelligence | |
| Bachelor of Science in Electrical Engineering, UCLA | Sept. 2013 - Jun. 2017 |
| <ul style="list-style-type: none">• GPA: 3.482 | |

LEADERSHIP

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| FABLAB Committee Member | Northrop Grumman | Feb. 2018 - Jun. 2019 |
| <ul style="list-style-type: none">• Drafted concept of operations to pitch fabrication lab to site executives and legal team• Developed 3D printing fundamentals course and maintained 3D printers | | |
| LA Pathways Chapter Lead | Northrop Grumman | Oct. 2017 - Dec. 2019 |
| <ul style="list-style-type: none">• Coordinated technical lectures, discussion forums, cross-campus events, and all-hands meetings• Worked with company leadership to disseminate flowdown and address new hire concerns | | |

PROJECTS

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| Project Member | Orchestra Anywhere | Oct. 2016 - Mar. 2017 |
| <i>Undergraduate systems design capstone project using localization and gesture recognition to play music.</i> <ul style="list-style-type: none">• Built multi-threaded TCP/IP network using Python and C to interface Intel Edison's and MATLAB• Refactored 500 lines of Python and C code to improve readability and documentation (using Git) | | |

SKILLS

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- **Software:** MATLAB/Simulink, C++, Python, SQL, VBA, LabView, Git, LaTeX, HTML/CSS, DOORS
 - **Hardware:** CompactRIO, 3D printing, soldering

Latest version at https://github.com/nickchung114/LaTEX-Resume/blob/master/Nicholas_Chung.pdf