

Nicholas Chung

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EXPERIENCE

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| Proposal Analyst | Northrop Grumman | Aug. 2019 - Present |
| <ul style="list-style-type: none">• Developing VBA scripts to automate requirements decomposition and revision processes• Supporting proposal development through volume compilation and compliance matrix generation• Contributed to strategic planning meetings and finalized 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• Wrote 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">• Wrote 1000+ lines of MATLAB to automate Simulink test suite and custom report generation, improving labor efficiency by 40%• Worked with software lead to design project development infrastructure in ClearCase• Re-baselined legacy code to be compatible with new GreenHills RTOS• Generated bi-directional traceability matrices using DOORS• Compiled and peer-reviewed software design document | | |

LEADERSHIP

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| LA Pathways Chapter Lead | Northrop Grumman | Oct. 2017 - Present |
| <ul style="list-style-type: none">• Coordinate technical lectures, discussion forums, cross-campus events, and all-hands meetings• Work with company leadership to disseminate flowdown and address new hire concerns• Head two site councils and support their professional development activities | | |
| FABLAB Committee Member | Northrop Grumman | Feb. 2018 - Present |
| <ul style="list-style-type: none">• Draft and finalize proposal for site executives and legal team• Teaching 3D printing fundamentals course and maintaining 3D printers | | |

EDUCATION

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| Bachelor of Science in Electrical Engineering, UCLA | Jun. 2017 |
| <ul style="list-style-type: none">• GPA: 3.482 | |

PROJECTS

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|---|---------------------------|------------------------------|
| Project Member | Orchestra Anywhere | Oct. 2016 - Mar. 2017 |
| <i>Final project for systems design capstone course 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)• Implemented, tested, and debugged gesture recognition based on user input through an IMU | | |

SKILLS

- **Software:** MATLAB/Simulink, Python, SQL, VBA, LabView, C++, Git, LaTeX, HTML/CSS, DOORS
- **Hardware:** CompactRIO, 3D printing, general lab equipment (oscilloscope, function generator, multimeter), soldering