

# Nicholas Chung

nickchung114@gmail.com · (909) 979-7140 · [www.linkedin.com/in/nc114](http://www.linkedin.com/in/nc114)

## EXPERIENCE

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

## LEADERSHIP

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|---|-------------------------|------------------------------|
| <b>FABLAB Committee Member</b>  | <b>Northrop Grumman</b> | <b>Feb. 2018 - Present</b>   |
| <ul style="list-style-type: none"><li>• Drafted concept of operations for site executives and legal team</li><li>• Developing 3D printing fundamentals course and maintained 3D printers</li></ul>  |                         |                              |
| <b>LA Pathways Chapter Lead</b>   | <b>Northrop Grumman</b> | <b>Oct. 2017 - Dec. 2019</b> |
| <ul style="list-style-type: none"><li>• Coordinated technical lectures, discussion forums, cross-campus events, and all-hands meetings</li><li>• Worked with company leadership to disseminate flowdown and address new hire concerns</li><li>• Led two site councils and support their professional development activities</li></ul> |                         |                              |

## EDUCATION

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

## PROJECTS

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|---|---------------------------|------------------------------|
| <b>Project Member</b>   | <b>Orchestra Anywhere</b> | <b>Oct. 2016 - Mar. 2017</b> |
| <i>Final project for systems design capstone course using localization and gesture recognition to play music.</i>   |                           |                              |
| <ul style="list-style-type: none"><li>• Built multi-threaded TCP/IP network using Python and C to interface Intel Edison's and MATLAB</li><li>• Refactored 500 lines of Python and C code to improve readability and documentation (using Git)</li><li>• Implemented, tested, and debugged gesture recognition based on user input through an IMU</li></ul> |                           |                              |

## SKILLS

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