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1620 Wyoming Ave Apt 10, Las Cruces, NM 88001 ♦ 505-XXX-XXX ♦ xxxxxxxx@nmsu.edu

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## SKILLS

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- Research Proficiency
- Data Organization
- Teamwork and Collaboration
- Project Development/Management
- Detail Oriented
- NX-3D Modeling
- Prototyping
- 3D Printing
- MathWorks MATLAB
- Solid Works

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## EDUCATION

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**Bachelor of Science:** Mechanical Engineering, May 2020

**New Mexico State University** - Las Cruces, NM

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## ENGINEERING PROJECTS / RESEARCH EXPERIENCE

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**Capstone Project: HF Mobile Communication**, Lead Engineer, 09/2019 to Current

- Conducted thorough research on High Frequency Communication.
- Developed 3D Model of antenna for computer analysis.
- Designed base for easy mounting and dismounting for rooftop set-up.
- Designed base attachment for vehicle for mobile communication aspect.
- Designed specific wire layout for most optimal wire management for both mobile and stationary base sites.
- Presented final design and progress reports to Honeywell as well as Codan.

**Gear Box Design Project**, 09/2019 to Current

**New Mexico State University** – Las Cruces, NM

- Conducted research on optimal materials for design.
- 3D modeled components for gear box.
- Continuously changed component design to meet specific requirements given by professor.
- Conducted written and computer analysis on components chosen by professor.
- Met with group to complete final assembly for final design parameters.
- Assigned meeting times for group to come together and discuss progress on parts.

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## WORK HISTORY

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**Student Assistant**, 01/2017 to Current

**New Mexico State University** – Las Cruces, NM

- Submitted documentation and reports to upper management pertaining to student data and projects/events.
- Compiled and analyzed data using spreadsheets or other database software such as Excel and Word.
- Managed electronic records database (scanned physical files into digital records) and handled all file requests.
- Input all documents into the records management system.
- Supported program operations by preparing and updating documents, reports and spreadsheets.
- Provided logistical support for programs, meetings and events, including room reservations, room set-up, agenda preparation, materials printing and calendar maintenance.
- Recommended changes to policies and procedures to maximize team efficiency and productivity.