

GRAD PAYDIRT PETE

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EDUCATION

Master of Science in Mechanical Engineering **Anticipated: May 20XX**
The University of Texas at El Paso (UTEP) *GPA:4.0/4.0*
**Thesis: Three Dimensional Finite Element Model for Residual Stresses in Parts
Manufactured by SLM and EBM**

Bachelor of Science in Mechanical Engineering **Awarded: May 20XX**
The University of Texas at El Paso (UTEP) *GPA:3.8/4.0*

ACADEMIC ACHIEVEMENTS AND AWARDS

College of Engineering Dean's List, Fall 20XX- Spring 20XX
UTEP Presidential Excellence Scholarship, 20XX-20XX
Tau Beta Pi (Engineering Honor Society), 20XX-Present
Pi Tau Sigma (ME Honor Society), 20XX-Present

RESEARCH EXPERIENCE

UTEP W.M. Keck Center for 3D Innovation El Paso, TX
Graduate Research Assistant June 20XX-May 20XX

- Developed manufacturing methods and operation of 3-D product designs
- Performed maintenance, repair, and operations on Arcam A2 in Electron Beam Mating additive manufacturing and powder recovery system
- Oversaw 3 undergraduate students in the design and execution of experiments in binder jetting, electron beam melting (EBM), and selective laser melting (SLM) additive manufacturing projects

UTEP Mechanical Engineering Department (COURI) El Paso, TX
Research Assistant January 20XX-May 20XX

- Designed procedures for the fabrication of 3D printed electronic systems
- Analyzed and collect data to interpret blueprints of test models to assess necessity of modification
- Computed and analyzed specific codes using Solid Works to assist in the developing of designs

UTEP Engineering Department El Paso, TX
Undergraduate Research Assistant August 20XX-December 20XX

- Conducted research in algorithms to detect differences on surfaces of metal pieces produced by 3D printers
- Maintained electronic component integration using Multi3D System
- Applied engineering and mechanical principles to design 3D parts, assemblies and 2D drawings using CAD software

LEADERSHIP AND INVOLVEMENT

Tau Beta Pi

UTEP Chapter President

El Paso, TX
Fall 20XX-Present

- Coordinate fundraising and sponsorship donations of over \$2,000 in a year
- Led efforts to develop semester long calendar and organization events

BUILDing SCHOLARS Peer-to-Peer Mentoring Program

Peer Mentor

El Paso, TX
Spring 20XX

- Provided weekly mentoring and academic resources to 2 freshmen engineering students
- Implemented leadership and academic skills to BUILD and prepare students for any challenges they may face during their first year of college

RELATED EXPERIENCE

UTEP Mechanical Engineering Department

Teaching Assistant

El Paso, TX
January 20XX-Present

- Collaborate with professor to develop course plans, and grade course and lab assignments of over 130 students
- Taught two undergraduate courses on Principles of Engineering Design and Solid Mechanics Lab, while providing one-on-one tutoring

Freeport McMoran Copper & Gold

Mechanical Engineer Intern

Elizabeth, NJ
May 20XX-July 20XX

- Performed installation, operation, and maintenance of emission monitoring instruments and testing equipment
- Created reports on sampling and data gathered from operations, to improve efficiencies of specific project developments
- Assisted in layout and design of special projects with a team of 2 interns

UTEP Engineering Student Services

Engineering Ambassador

El Paso, TX
January 20XX-May 20XX

- Conducted outreach activities with 8th-12th grade students to promote a career in the STEM field
- Informed UTEP students on community service opportunities that collaborate the College of Engineering and El Paso community
- Organized and implement Robotics Competitions and workshops to over 25 students per event, with a team of 4 other ambassadors

VOLUNTEER EXPERIENCE

UTEP Robotics competition k-8th, Judge- May 20XX

Ysleta Independent School District Science Fair, Judge- April 20XX

UTEP Project Move-February 20XX

Special Olympics Track & Field, Volunteer- April 20XX

PUBLICATIONS

1. **Pete, Paydirt.** (20XX) *Title of Article*. Name of Periodical, volume (issue number, page numbers).

2. Neer, Edna. **Pete, Paydirt**. Miner, Grad. (20XX) *Title of Article*. Name of Periodical, volume (issue number, page numbers).

ACADEMIC PRESENTATIONS

Graduate Student Research EXPO, Presenter

El Paso, TX

Title of Project Being Presented

November 20XX

Southwest Emerging Technology Symposium (SETS), Presenter

El Paso, TX

Title of Project Being Presented

April 20XX

CONFERENCES/SEMINARS ATTENDED

International Mechanical Engineering Congress & Exposition, Pittsburgh, PA, March 20XX

CoE Distinguished Speaker Seminar Series, El Paso, TX September 20XX

SHPE Conference, Seattle, WA, November 20XX

ADDITIONAL EXPERIENCE

UTEP GEAR UP Program

El Paso, TX

Mentor

January 20xx-Present

- Provide academic support in the areas of engineering, mathematics, and physics to 30 El Paso High School senior students to successfully complete high school and pursue their post-secondary education
- Interact with students on a daily basis in their classrooms through mentoring and give weekly presentations on engineering topics
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El Paso Community College (EPCC)

El Paso, TX

Academic Tutor

September 20XX-May 20XX

- Provided 20 Students per week with tutorial support in the areas of math, science, and writing
- Participated in training and development sessions to improve tutoring practices

PROFESSIONAL AFFILIATIONS

American Society of Mechanical Engineers (ASME) member, October 20XX-Present

American Institute of Aerospace and Astronautics, UTEP Chapter, 20XX

Society of Hispanic Professional Engineers (SHPE) member, April 20XX-Present

CERTIFICATIONS

Engineer in Training (EIT) Certified

October 20XX

SKILLS

Proficient in Solid Works, Siemens NX, Mathematica, Matlab, MS Excel, MS Word, & MS PowerPoint

Familiar with Arduino, AutoCAD, Adams, Nastran, & Fluent

Bilingual in Spanish & English

CURRICULUM VITAE

What is a CV?

The term “curriculum vitae” comes from the Latin *Curriculum* (course) and *Vitae* (life):
The course of one’s life.

A Curriculum Vitae (CV) resembles a résumé in many ways, but is more specifically focused on academic achievements. A CV summarizes educational employment, academic history, and may include details about teaching experience, publications (books, articles, research papers, unpublished manuscripts, or book chapters), and academic honors and awards.

Use a CV rather than a résumé when applying for academic, education, scientific or research position, as well as applying for fellowships or for further academic training. Some research positions in industry may also prefer a CV rather than a résumé.

CVs are frequently longer than résumés, since the emphasis is on completeness rather than brevity. While there is no single correct format or style for writing a CV, the following types of information are generally included:

- Contact Information (Name, Address, email, etc.)
- Education Background
- Fellowships and Awards
- Prepared to Teach or
Areas of Research Interest or Specialization
Areas of Competence/Expertise or
Principal Research and Teaching Interests
- Teaching Experience
- Research Experience
- Publications
- Presentations
- Works in Progress
- Related Professional Work Experience
- Languages
- Grants/Funding
- Dissertation Abstract
- Committee Work /Community Service
- Patents
- Courses Developed
- Professional Memberships

Additional Tips

- **Fields of Interest or Teaching Competencies:** CVs may begin with a short section specifying Fields of Interest or Teaching Competencies (instead of an Objective with which résumés may begin). If you do include this section, make your categories as broad as possible to cover a variety of potential opportunities but don’t be so broad that you appear unfocused.
- **Teaching and Research Experience:** On a CV it is appropriate to describe both teaching and research experience in detail (on a résumé this is usually not appropriate). If applying for a position that primarily involves research, describe research experience first; if it is for teaching, put teaching experience first.
- **Work Experience:** Work experience not directly relevant to research/teaching/academic opportunities should be described only briefly on a CV.
- **Other:** This may include miscellaneous personal information such as scholarly associations, study abroad, or personal interests. Include only if you feel that some aspects of your personal history may be relevant and of potential interest to your readers.
- **References:** See our References handout online or pick up a copy at the University Career Center.
- **Your Dissertation:**
 - If you are working on or have recently finished your doctoral degree, include a brief clear summary of your thesis topic in the Education section.
 - Including a separate one- or two- page abstract of your thesis at the end of your CV is recommended, but optional. In this attachment, concisely summarize your thesis work, placing it within its scholarly context, and noting its contribution to the field. Your summary should be comprehensible to people outside of your field, but scholarly enough to interest people within your area of expertise. If you do provide an abstract, write “(See Abstract Attached)” in the Education of your CV, after the name of your thesis title

