Sample 1

Elijah Engineer

Seattle, WA - (208)-707-2696 - kwanr@spu.edu - linkedin.com/ElijahEng

QUALIFICATIONS

- 3+ years interdisciplinary design experience
- Strong team player, quick learner and self-starter, developed by working frequently in teams during engineering class projects
- Proficient with SolidWorks, MATLAB, Maple, and C++ programming
- Certified in Microsoft Word, Excel and Power Point

EDUCATION

Bachelor of Science in General Engineering June 20XX

Seattle Pacific University, Seattle, WA

- GPA: 3.69, Dean's List, President's Scholar Award, Philip W. Eaton Scholarship

RELATED WORK EXPERIENCE

Design Engineer September 20XX-Present

Senior Design Project: Automated passive heating-cooling system, Seattle Pacific University; Seattle, WA

- Collaboratively oversaw project from design and modeling to constructing and testing
- Designed sketches for proposals; prepared dimensions and materials used
- Developed mechanical interfaces and performed thermal analysis
- Recipient of a $10,000 Puget Sound Energy Grant

Appropriate Technology Site Worker Summer 20XX

Students International Guatemala; Magdalena, Guatemala

- Engaged in local culture and worked on community building projects with groups of 10+ indigenous individuals
- Redesigned chicken coops using lighter, cheaper material to ensure long-term sustainability

Undergraduate Research Assistant Engineering Department Summer 20XX

Seattle Pacific University; Seattle, WA

- Developed PowerPoint modules for engineering courses to support professors course material
- Taught approximately 30 students the basics of engineering through 1:1 peer mentoring

ADDITIONAL ENGINEERING EXPERIENCE

Design Engineer Spring 20XX

Junior Design Project: Building Remote-Controlled Submarine, Seattle Pacific University; Seattle, WA

- Designed mechanical elements to control movement in 6 directions
- Constructed the project physically and in SolidWorks to model it prior to building the submarine

Research Conference Presenter May 20XX

Erickson Research Conference; Seattle, WA

- Researched various scenarios of a problem outcome to determine the best result
- Created a poster as a visual representation of the desired outcome
- Communicated the solution to the Mathematical Competition in Modeling problem

HONORS

International Mathematical Competition in Modeling Honorable Mention Feb 20XX, 20XX

Consortium for Mathematics and Its Applications; Seattle, WA

Sample 2

Erica Engineer

erica@spu.edu | (333) 333-333 | Seattle, WA | linkedin.com/erica-engineer | portfolio link

TECHNICAL SKILLS

Languages—LATEX (LaTeX), Python, PLC
Software—CATIA & NX, SAP ERP, SOLIDWORKS (CSWA, FEA, Surfacing), LabVIEW, MATLAB, MS Office
Shop—Manual Mill, Manual Lathe, Welding (Stick, MIG, and TIG), 3D Printers, CNC Machines

GENERAL SKILLS

Leadership—Led four 25-member teams through complete design process to successful completion & implementation
Communication—Excellent written & oral English communication skills; strength interfacing with customers
Teamwork—Collaborative, Driven, Well-Rounded, Communicative, Problem-Solver, Enthusiastic for growth

EDUCATION

Bachelor of Science, Mechanical Engineering **June 20XX**
Seattle Pacific University, Seattle, WA

- **Physics Minor**: Experimental Methods, Modern Physics, Physics Pedagogy
- **Awards**: Dean's Scholarship, Director's Grant, Vocal Performance Scholarship, Roy Swanstrom Scholarship
- **Relevant Coursework**: Engineering Project Management, Mechanical Design, Mechanics of Materials, Linear Algebra, Differential Equations, Statics, Dynamics, Thermodynamics, Fluid Mechanics, Heat Transfer

INTERNSHIP EXPERIENCE

Engineering Associate Intern **June 20XX - September20XX**
Benz Air Engineering, Los Angeles, CA

- Tested boiler power generating accessory for efficiency, longevity, & output potential
- Applied Root Cause Analysis and implemented solutions for structural & thermal issues encountered during testing
- Ported PLC data from test site into live updating Excel spreadsheet interface
- Optimized fuel-to-air ratio to reduce CO and NOx emissions
- Diagnosed issues with standalone boiler systems and implemented solutions for improved run-time and efficiency

TECHINICAL PROJECTS

Baja SAE Team Director **June 20XX - Present**
Seattle Pacific University, Seattle, WA

- Lead diverse team of 20+ engineers to design, build, and race a prototype off-road vehicle, managing project scope, schedule & budget, to ensure progress on all stages of project's lifecycle
- Direct design & drafting process and work order preparation for chassis redesign, including weight reduction
- Acquired over $20,000 in funding for complete redesign cycle of vehicle

Design Team Member, Senior Design Capstone Course **September 20XX – Present**
Seattle Pacific University, Seattle, WA

- Collaborate with 4 peers to organize meetings, create specifications & cost estimations, & perform risk assessments
- Design and manufacture biomass gasification system, organizing all materials, performing tests & engineering calculations, & carrying out all stages of project effectively

Hybrid Magnetic Braking System Project Member **September 20XX - March 20XX**
Seattle Pacific University, Seattle, WA

- Designed braking module to utilize Friction and Eddy Current Braking for use in highway vehicles
- Optimized method for longer run-time & higher braking factor; built Proof-of-Concept module to scale project

ADDITIONAL EXPERIENCE

- FIRST Robotics Team Alumni/Mentor | *SPU, Seattle, WA* — September 20XX - Present
- Physics Learning Assistant | *SPU, Seattle, WA* — June 20XX - April 20XX
- American Red Cross Certified Lifeguard | *YMCA, Mount Vernon, WA* — June 20XX - April 20XX

INTERESTS

Running Marathons | Volunteering at animal shelter | Creative Writing | Renewable Energy | Baking | Automobile Repair

Sample 3

Mechanical Engineer

(123) 456-7890 | Seattle, WA | engineer@spu.edu
www.linkedin.com/in/yourlinkedin

SKILLS & QUALIFICATIONS:

- Computer Skills: Computer-Aided Design (CAD) Solidworks, Engineering Tools (3D Printers), GitHub, LabView, Maple, Sony Vegas, FL Studio, Adobe After Effects, Photoshop, MS Office, and Unity
- Programming Languages: Python, Java
- Eager and willing to learn and adapt to any given group or environment with great optimism and enthusiasm
- Persistent in challenging oneself and experienced in complex problem-solving situations

EDUCATION:

Bachelor of Science, Mechanical Engineering **Expected Graduation 20XX**
Seattle Pacific University, Seattle, WA

- GPA: 3.8 out of 4.0
- **Relevant Coursework:** Engineering Statistics, Machining and Fabricating, Statics, Mechanics of Materials, Dynamics, Thermodynamics, Project Management, Multivariable Calculus, Differential Equations, Computer Science, Physics
- Dean's List as Freshman and Sophomore, Recipient of President's Scholar Award

TECHNICAL EXPERIENCES:

Intern **July 20XX – Present**
Protective Coatings, Kent, WA

- Working with the CI, Quality, and Engineering teams to derive Lean improvements in manufacturing and transactional processes/technologies to reduce waste, variation and cost
- Analyzing the root cause and implementing appropriate corrective action in order to solve quality and throughput related problems
- Ensuring compliance with contractual, operational and regulatory requirements while addressing of production and post-production issues for company's improvement

Structural Team Lead, Baja Society of Automotive Engineers **October 20XX – June 20XX**
Seattle Pacific University, Seattle WA

- Designed and built suspensions and body panels of an off-road vehicle that will survive harsh dry and wet terrain
- Focused on discovering and resolving technical challenges in design and testing of the vehicle
- Cooperated with business, drove train, and gearbox teams to fundraise vehicle parts and trip for competition
- Gained leadership skills, communication skills, and full knowledge of vehicle parts and function

Water Filtration Mechanical Mounts Lead Engineer, Junior Design **March 20XX– June 20XX**
Seattle Pacific University, Seattle, WA

- Designed and built mechanical mounts for both the water filter housing and manual pump through CAD Solidworks
- Led construction of water filter housing and manual pump mounts by using hand tools
- Led mechanical mounts building and testing on durability and security

ADDITIONAL EXPERIENCES

Volunteer, Lynnwood Food Bank, WA **November 20XX – February 20XX**

- Packaged around 100 non-perishable food items for those in need
- Traveled to Seattle to deliver food items and health packets for at least 70 individuals
- Increased food production and aided the homeless

PROJECTS/ACTIVITIES

- **Clubs** **September 20XX – Present**
  American Society of Mechanical Engineers, Women's Engineering and Computer Science, Korean Student Association