

# B.T. Cougar

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## Summary of Qualifications

- Mechanical Engineering major with a proven record of success working in management, on a team, and independently.
- Tireless work ethic, maintaining a 3.7 GPA while working as much as 30 hours a week
- Incorporated 5+ years of goal oriented work history with coursework and projects to bring productive, well founded insight to the company as an intern.
- Proficiency in **SolidWorks**, Matlab, and Mathematica; experience with metal fabrication.

## Education

### Bachelor of Science in Mechanical Engineering; GPA 3.7

Expected May 2021

Washington State University, Pullman, WA

- Relevant coursework: Thermodynamics, Fluid Mechanics, Finite Element Analysis, **SolidWorks**, Linear Algebra, Heat Transfer, System Dynamics, Applied Aerodynamics, Material Science, Materials Laboratory, Mechanical Component Analysis

### Associate of Science (DTA) | Seattle Central College, Seattle, WA

June 2019

- Major: Pre-Engineering
- Relevant coursework: RDL Circuits, Mechanics of Materials, Dynamics, Statics, Differential Equations, Calculus Series

## Skills & Abilities

### Programs and Software

- Certified **SolidWorks** Associate
- Matlab, Mathematica, EES, Python, Java
- Arduino Seminar

### Metal Fabrication

- MIG and TIG welding
- Forging/Blacksmithing
- Misc. fabrication and machining tools

## Projects

### WSU

Fall 2019

- Designed dynamically accurate wings & generator in **SolidWorks** for 1.5 GW Wind Turbine to improve efficiency
- Wrote the working code in EES for Parabolic Solar Plant Area Optimization project

### Seattle Rocketry Club

Spring 2018

- Received Level 1 Certification from the National Rocketry Association by individually building and launching a level 1 "Intruder" rocket

### Metal Fabrication

Fall 2017

- Built a metal chair using welding and forging techniques out of round bar, scrap metal, and washers for the seat

## Honors & Awards

- NASA Scholarship recipient for Academic Achievement
- Fall 2016 President's Honor Roll recipient at WSU
- Seattle Central Foundation Scholarship recipient
- Multiple Quarters on the Dean's List at Seattle Central

## Other Experience

### Sr. Member Consultant | Boeing Employees Credit Union

2017-2018

- Worked directly with customers to create customized banking plans
- Multiple awards in recognition for excellent customer service and exceeding sales goals
- Trained 8 coworkers on effective communication and problem solving techniques

### Store Manager | GNC

2016-2017

- Promoted from part time employee to Store Manager in 5 months
- Hired, trained, and scheduled 4 employees
- Store ranked #1 in multiple monthly and quarterly sales contests

## VOILAND COLLEGE CAREER DEVELOPMENT ~ACTION VERBS

*Adapted, enlarged list inspired by Employment Development Department of Palo Alto, CA*

Management skills	Communication skills	Clerical or detailed skills
administered analyzed assigned attained chaired contracted consolidated coordinated delegated developed directed evaluated executed improved increased organized oversaw planned prioritized produced recommended reviewed scheduled strengthened supervised	addressed arbitrated arranged authored corresponded developed directed drafted edited enlisted formulated influenced interpreted lectured mediated moderated motivated negotiated persuaded promoted publicized reconciled recruited spoke translated wrote	approved arranged catalogued classified collected compiled dispatched executed generated implemented inspected monitored operated organized prepared organized prepared processed purchased recorded retrieved screened specified systematized tabulated validated
Research skills	Technical skills	Teaching skills
clarified collected critiqued diagnosed evaluated examined extracted identified inspected interpreted interviewed investigated organized reviewed summarized surveyed systematized	assembled built calculated computed designed devised engineered fabricated maintained operated overhauled programmed remodeled repair solved trained upgraded	adapted advised clarified coached communicated coordinated developed enabled encouraged evaluated explained facilitated guided informed initiated instructed persuaded set goals stimulated
Financial skills	Creative skills	Helping skills
administered allocated analyzed appraised audited balanced budgeted calculated computed developed forecasted managed marketed planned projected researched	acted conceptualized created designed developed directed established fashioned founded illustrated instituted integrated introduced invented originated performed planned revitalized shaped	assessed assisted clarified coached counseled demonstrated diagnosed educated expedited facilitated familiarized guided referred rehabilitated represented