

Daniel Wageman

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SUMMARY

- Technical Director of 50-person team competing to design, build and race formula style racecars
- Proficient with SolidWorks, Unigraphics, Catia, AutoCad, NEi Nastran, Ansys, Matlab, and MS Office
- Strong leader and teammate with the experience to perform well and succeed under pressure
- Excellent computer skills in general use, software, hardware, programming, and networking.
- Proficient with Java, PHP, Python, Visual Basic, HTML, and Shell Scripting,

EDUCATION

UNIVERSITY OF WASHINGTON - SEATTLE, WA

BS, Mechanical Engineering

SEP 07 – JUN 12

Candidate – MS Mechanical Engineering

SEP 12 – JUN 14

EXPERIENCE

TECH. DIRECTOR

UWASHINGTON FORMULA MOTORSPORTS

SEP 10 – PRESENT

- Lead 50 member collegiate design team to annual international competitions
- Promote teamwork and overall system integration
- Oversee all technical aspects of the design, manufacture, and testing stages
- Impress sound engineering and design principles to new students
- Design parts and assemblies in SolidWorks with FEA analysis in NEi Nastran and Ansys
- Program simultaneous 3-axis CNC milling and CNC turning in NX Unigraphics 7.5 and 8.0

INTERN

LUND ENGINEERING INC.

JUN 11 – SEPT 12

- Design parts and assemblies to meet customer requirements
- Coordinate vendor shipments, manufacturing, and assembly
- Interface with multiple engineers per project to ensure synchronization

IT ASSISTANT

UNIVERSITY OF WASHINGTON SCHOOL OF DENTISTRY

MAR 08 – JAN 12

- Administer client, server, domain, and network systems
- Communicate with customers to solve a wide range of problems
- Develop standardized systems and process deployment

STUDENT RESEARCH

UNIVERSITY OF WASHINGTON SCHOOL OF OCEANOGRAPHY

APR 11 – SEP 11

- Assisted DeepGlider™ composite hull assembly and development
- Analyzed composite laminate structure with CLT and FEA to pinpoint service failure

ENGINE TEAM

UWASHINGTON FORMULA MOTORSPORTS

SEP 09 – JUN 10

- Designed intake and exhaust system with 1D and 3D acoustic CFD
- Iterated part design and tested final system for model correlation
- Tuned and tested engine on dedicated engine and chassis dynamometers
- Milled 3 axis parts using CAM interface

DATA ACQUISITION

UWASHINGTON FORMULA MOTORSPORTS

SEP 08 – JUN 09

- Led seven team members to create successful electronics and acquisition package
- Recorded and interpreted data collected during test sessions

CHASSIS TEAM

UWASHINGTON FORMULA MOTORSPORTS

SEP 07 – JUN 08

- TIG Welded, Milled 2 axis CNC parts, Laid up wet and pre-impregnated composites

ACHIEVEMENTS

TEDx Speaker at TEDxUofW

APR 12

Dean's List

AUT 07-SPR 08, WIN 11

Northwest Leadership Academy Graduate

AUG 06

ACTIVITIES

Avid competitive cyclist – Currently racing road and mountain bikes for Husky Cycling

Motorcycle enthusiast – Modifications and attending track days

Amateur musician – 14 years playing guitar and violin, occasionally play cello, drums, bass, and piano

LANGUAGES

English (Native), German (Conversational), Spanish (Conversational)