

Stephen Cheng

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Seattle, WA

(425)-922-4101

I am a highly self-driven engineer who's always seeking the opportunity to explore new technology. I am a team player who's not afraid to take on challenges, and successfully tackle every task assigned with high evaluation by colleagues and managers. Fluent in English and Mandarin Chinese.

Education

Washington State University, Pullman, WA
Bachelor of Science in Mechanical Engineering

December 2017

GPA: 3.55/4.00

University of Washington, Seattle, WA
Full Stack Web Development

August 2019

Employment History

Composite Solutions, Sumner, WA

August 2018 - Present

Manufacturing Engineer

- Develop and improve manufacturing plan, working with the customer and production department to implement a cost-efficient manufacturing plan.
- Hand builds the first part of each program to validate the manufacturing plan; work through every station to pass First Article Inspection.
- Convert 2D drawings into 3D CAD models, and design test part to meet customer specification.
- Problem-solving – Define problems as an isolated case or recurring issues, prioritize tasks and resolve in timing manner.
- **Key Accomplishment**
 - Implement lean manufacture to increase product quality (First Pass Yield rate went from 70% to 95%), also increase on-time delivery (75% to 98%)
 - Given engineering support to win a new production project from existing customer. Project worth over quarter million in revenue per year (5 years contract)

Composite Solutions, Sumner, WA

February 2018 – August 2018

Procurement Specialist

- Procure high quality products to supple production, and monitoring inventory to reduce liability.
- Setup vendor performance monitoring system, and vendor visiting periodically to ensure the on-time delivery.

Tai Chung Precision Steel Mold, Taichung, Taiwan

May 2017 – July 2017

Mechanical Engineer Summer Intern

- Design injection mold using CAD modeling (Solidworks) and build an insert injection mold to be used in production.
- Perform maintenance on production molds and operate injection molding machine to gain full knowledge of the injection molding process.

Boiling Point Group, Inc., Seattle, WA

May 2011 – May 2015

Store Manager

- Mange general store operation from recruiting, staff training, and to inventory control.
- **Key Accomplishment**
 - Improve overall customer rating from 2 stars to 3.5 stars (yelp).
 - Achieved the highest performance rating each month by the regional manager.

Relevant Coursework

- CAD & CAM
- Lean Manufacturing
- Fluid Mechanic
- Finite Element Analysis
- Mechatronic
- Injection Molding
- Thermodynamic
- Mechanical System Design

Project

Injection Molding: Spinning Top, Pullman, WA

August 2017- December 2017

- Role: Designer
- Using Solidworks to model the product and the mold; analyzing product using CAE
- Utilize MasterCam to create G-code to be use on CNC milling machine.

Painted Dogs Research: UAV Project, Pullman, WA

August 2017- December 2017

- Role: Team Liaison & Designer
- Develop a launcher system that is cost under \$1,000 budge and can be assemble in any environment.
- UAV size: 20 lb.

Matthews Automation Solutions: CLEAN Workbench, Pullman, WA

January 2017 – May 2017

- Role: Theorist
- Utilize the House of Quality sheet to define the design priorities

Skills

- CAD & CAM: Solidworks (CSWA), Catia V5
- Programming: Javascript, HTML, SQL/noSQL database
- Microsoft Office: Word, Powerpoint, Excel
- Language: English, Mandarin Chinese