

## Charles Lemonds

Technical Founder

### Education

**Bachelor of Science in Chemical Engineering,**

May 2013

Worcester Polytechnic Institute  
Worcester, Massachusetts

### Proficiencies

CAD Design  
PCB Design  
Circuit Design  
Multiphysics Simulation  
Software Engineering  
Hardware Engineering  
Industrial Design  
Additive Manufacturing  
DFM  
PDM

### Software Skills

SOLIDWORKS  
COMSOL  
PyCharm  
DataGrip  
IntelliJ  
PHPStorm  
CLion  
PuTTY  
Python  
MicroPython  
JavaScript  
PHP  
MySQL  
Postgres  
Google Workspace  
Office 365  
Easy EDA  
Altium  
Blender  
Attio  
Slack  
Teamwork  
Trello

### Relevant Experience

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**Co-Founder and CTO, Totem Inc**

Chattanooga, Tennessee

Jan 2024 to present

- Designed and commercialised flagship product the Totem Compass
- Oversaw the manufacturing of all products
- Oversaw engineering and operations
- Built out financial reporting and forecasts

**Lead Product Engineer, Shoetizer**

Chattanooga, Tennessee

Dec 2021 to Jan 2024

- Designed and programmed chassis and circuit
- Worked with manufacturer to set up industrial supply chain
- Prototyped several iterations in house

**Sr Scientist, Woodbridge Group**

Chattanooga, TN

Jan 2016 to Dec 2021

- Developed over 40 novel polyurethane foam formulations
- Developed and domesticated formulation for the ScrubDaddy product line
- Industrialized new formulations on commercial scale
- Oversaw the automation of operations and processes using Office 365

**Development Engineer, Chemical R&D, FoamPartner**

Wolfhausen, Switzerland

Jan 2015 to Jan 2016

- Developed major mattress foam formulation
- Developed multiple products for Scrub Daddy

### Personal Details

