

MATT HOWELL

matt@matthowell.com
512-689-2350
linkedin.com/in/matthowell22

SUMMARY

Mechanical Engineer with prior career experience in digital product development, seeking opportunities in product development or advanced manufacturing technology. Strengths/skills/knowledge areas:

- CAD (SolidWorks)
 - 3D printing/additive manufacturing
 - Public speaking, presenting, training/teaching
 - Coding, including Python, MATLAB, databases (MySQL/Postgres), C/C++, SQL, web UI (HTML/CSS/Javascript), Django, Linux admin
-

WORK

THERMON MANUFACTURING COMPANY

2015–PRESENT

Product Engineer

- Design product test plans, execute tests, and analyze results to document conformity to international hazardous locations (HazLoc) standards (IECEEx, IEEE, ATEX, DNV, BV, UL, FM, CSA, et al.) for electrical trace heating products.
- Write technical reports; create and maintain product documentation, including CAD drawings, spec sheets, installation instructions, and EU Declarations of Conformity.
- Support certification body audits of product development and manufacturing processes.
- Develop proofs-of-concept for future technology projects.

FROG DESIGN

2006–2009

Design Technologist II

- Developed interactive digital prototypes, proofs-of-concept, and production code for numerous consumer and enterprise products.
- Assessed technical feasibility of ambitious visual and interactive requirements and devised practical, deliverable solutions to achieve design intent using existing technology.
- Awards: CTIA Best-In-Show for Alltel Celltop and Sprint One Click; SXSW AIR Interactive Accessibility Rally Best in Show/Audience Award

WEB DEVELOPMENT

2005–2015

Consultant

- Designed and developed web projects on contract for small businesses and design agencies, ranging from modular UI components and database features to full site deployment.

THE PRINCETON REVIEW

1999–2004

Teacher / Writer

- Taught LSAT, MCAT, GRE, SAT, and Wordsmart vocabulary classes to adult and high school students.
 - Contributed as a writer to *Cracking the LSAT* and company's first online course offerings.
-

EDUCATION

THE UNIVERSITY OF TEXAS AT AUSTIN

- B.S. Mechanical Engineering, 2013 (GPA: 3.80; project portfolio available at matthowell.com/engineer/)
- B.A. Psychology, B.A. Drama, with Honors, 1999

Presenting Data and Information One-Day Course (Edward Tufte), 2016

Certificate, University of Texas Summer Academy in Architecture, 2010