

TERRY G LORBER

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PROFILE

Consensus-building leader of cross-functional product development teams. I've developed strategy and implemented product roadmaps for startups to global businesses. Pro-active project manager experienced with quality systems for medical devices.

EXPERIENCE

Alloy Enterprises

June 2022 - November 2024

Software Engineer, Architect

Burlington, MA

- Planned, built, and maintained proprietary CAD/CAM software to support Alloy's novel manufacturing process. Collaborated across disciplines to unlock aluminum components at scale.
- Software Engineering, Computational Geometry, Manufacturing, Python, C++

Self-employed

December 2018 - June 2022

- Consulting services in advanced manufacturing, technology integration, and product development.

LightForce Orthodontics

August 2017 - December 2018

VP of Software

Cambridge, MA

- Joined this pre-seed round dental startup as first software hire. Responsible for medical device and workflow software in support of company's first sale. Deployed cloud-native software stack for LightForce's first 510(K). Contributed system architecture, implementation, regulatory documentation, project management, and product management.
- Medical Devices, FDA, JavaScript, C++, Computational Geometry
- **510(K) No. K183542** Signature Orthodontics System, 2019-01-02
- **510(K) No. K181271** Signature Orthodontics System, 2018-06-13

Atlantis - Dentsply Sirona

August 2010 - August 2017

Director, Global Digital Product Development

Waltham, MA

- Responsible for digital dentistry strategy and project planning for global business. Leader of cross-functional product development team that launched Atlantis' first digital product. Collaborated with business partners to deliver integrated digital workflows.
- Product Development, Cross-functional Team Leadership, Medical Devices, Manufacturing, Business Development
- **US Patent No. 10,390,910 B2** INTEGRATED DENTAL IMPLANT COMPONENT AND TOOL FOR PLACEMENT OF A DENTAL IMPLANT COMPONENT
- **US Patent No. D787,061S** SCAN BODY FOR DENTAL IMPLANT PROCEDURES

Atlantis - Astra Tech

January 2007 - July 2010

Consulting Software Engineer

Waltham, MA

- Technical owner of industry leading B2B platform. Full stack development using JavaScript, Ruby on Rails, PostgreSQL, and C++. Collaborated with business partners to deliver integrated digital dentistry workflows.
- Software Engineering, Medical Devices, Manufacturing, Ruby on Rails, C++, Computational Geometry

Atlantis Components
Senior Software Engineer

August 2000 - January 2007
Cambridge, MA

- First software hire for this dental startup. Supported sales & manufacture of industry's first CAD/CAM dental implant abutment. Automation of data acquisition, product design, and manufacturing workflows
- Software Engineering, Medical Devices, Manufacturing, C++, Ruby on Rails

Freudenberg Sealing Technologies
Product Engineer

June 1996 - September 1999
Bristol, NH

- Product design, prototyping, and testing in support of sales and manufacturing. My first experience with Kaizen and continuous improvement culture.
- C, Siemens NX, Computer-Aided Design (CAD), Manufacturing

EDUCATION

Boston University, Boston, MA
M.S. in Computer Science

September 2013

University of Michigan, Ann Arbor, MI
B.S. in Engineering (Mechanical Engineering)

May 1996

SKILLS

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|------------------------------|---|
| Computer Languages | Bash, C++, JavaScript, Python, R, Ruby, SQL, TypeScript |
| Operating Systems | Browsers (Chrome, Firefox), Linux (Ubuntu), macOS, Windows |
| Protocols & APIs | HTTPS, JSON, REST, RPC, WSS, XML, YAML |
| Databases | MS SQL Server, PostgreSQL, Redis, Sqlite3 |
| Web & App servers | flask, NGINX, node.js, puma |
| Tools | AWS, Azure, CMake, Docker, Emacs, GitHub, Jira, WordPress |
| Frameworks | CGAL, FLTK, Node.js, OpenGL, OpenMesh, Ruby on Rails, Sinatra.rb, three.js, Unidraw, VTK, Vue.js |
| Methodologies | Agile, Continuous Improvement, Kaizen, KanBan |
| Influencers | Atwood's Coding Horror, Beck's XP, Booch's UML, Brooks' The Mythical Man-Month, DeMarco & Lister's Peopleware, Fowler's Continuous Integration, Spolsky's Joel on Software, Gamma, Helm, Johnson, and Vlissides's Design Patterns, Tufte's Visual Display of Quantitative Information |

EXTRA

Programmer, Gardener, Brewer, Hiker, Surfer, Telemark skier

Town Meeting Member — Swampscott, MA — 2018-2024

Cubmaster Pack 55 — Swampscott, MA — 2018-2021

UM College of Engineering Leadership Honor Society — Ann Arbor, MI — 1995-1996

Eagle Scout Troop 295 — Concord, NH — 1991