Daniel M. Taub

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Objectives:
To build technologies that contribute to the generation-defining human-computer symbiosis.
To absorb information and synthesize sustainable solutions far beyond the capabilities of advanced LLMs.
To help companies with their growing pains; reduce tribal knowledge; and break down the walls between silos.

Employment:

Matterport   **Sunnyvale, CA (remote)**
Senior Staff Software Engineer   **April 2022 – Present**
• Enabled external 3D application developers by adding features to the Matterport SDK
• Collaborated with product, customer support, design, and other engineers to improve the developer experience
• Shepherded multiple plugin systems from prototype to production, including documentation and examples

LightForce Orthodontics   **Cambridge/Burlington, MA**
Senior Software Engineer   **Dec 2019 – Feb 2022**
• Worked on WebGL-fronted, C++-backed CAD software for planning custom orthodontic treatments
• Interfaced with doctors and treatment planners to advocate for UX to improve workflow efficiency
• Provided project planning and technical leadership for a remote, geographically-distributed team

Markforged   **Watertown, MA**
Senior Software Engineer   **Nov 2017 – Nov 2019**
• Worked on web applications and embedded systems that enable customers to 3D-print strong parts
• Developed customer experience analytics and advocated for a data-driven approach to product engineering
• Redesigned build systems to seamlessly integrate legacy and newly-developed code into a CI/CD pipeline
• Spearheaded efforts to improve interdepartmental communication, API documentation, and educational outreach

Autodesk   **Somerville, MA**
Software Engineer   **Aug 2014 – July 2016**
• Built first-of-its-kind web-based application for hybrid electro-mechanical design of 3D-printed parts
• Prototyped initial application, and redesigned it to build a modular framework for web-based CAD
• Served as ambassador to our startup partner, Voxel8. Responsible for voicing the needs of both sides

Philips, Color Kinetics   **Burlington, MA**
Software Engineering Consultant   **2012 - 2013**
• Developed a web-based front-end application to control and script the lights on the Empire State Building
• Ruby on Rails, CSS, Coffeescript, Protocol Buffers, ZeroMQ, Mongodb, Postgresql

Ventures:

ChipFlask LLC.   **Somerville, MA**
Managing Member   **July 2016 – Aug 2023**
• Founded company to provide technology and business consulting services
• Specializes in user experience, web application design and development, and browser-based 2D/3D visualizations

SaikoLED   **Somerville, MA**
VP of Interaction Design   **Oct 2010 – Aug 2014**
• Performed market research, product design, and application development for a successful Kickstarter
• Developed an open-source, audio-responsive, wireless RGB+White LED light fixture with 16-bit resolution

Education:

Massachusetts Institute of Technology   **Cambridge, MA**
Graduate GPA: 4.9/5.0   **September 2009**
Master of Engineering in Electrical Engineering and Computer Science
Bachelor of Science in EECS. Minor in Biomedical Engineering   **2006**

Software Skills: Javascript, Typescript, Coffeescript, Node.js, Python, Rust, Java, C/C++, .NET, RoR
                        Angular(js/2+), Vue, React, WebGL, CSS, Postgres, Mongo, AWS, Jenkins, CircleCI

Other Skills: Interaction Design, Lighting Control, Embedded Systems, 3D Design and Printing
                        Performance: Vocal/Guitar/Ukulele/Theatre. Japanese Language, Deus Ex Machina

Outreach/Hobbies: Volunteer 3D design and printing education (K-8), robotics club, OSS Contributor
                        Previous: Risk Manager/Board Member for the MIT Chapter of Tau Epsilon Phi