# William Vaughn - San Francisco, CA

Software Engineering Leader - will@willvaughn.org

## Objective

To build, architect, and operate data-centric software applications. To create productive software environments that challenge, teach, grow, and support professional crafts-persons.

## Employment

### Carbon Lighthouse - San Francisco, CA

**2016-Present – Principal SWE < VP of Software < SWE Manager < Lead SWE < Sr. SWE**
Company founded to stop climate change through profitable decarbonization of commercial real estate. I started as an individual contributor, and progressed to organizational leader overseeing a cross-functional team building energy modeling applications on AWS, Kubernetes, and Python.

- Designed and built data ingest system, foundational to collecting and analyzing hundreds of millions of timeseries points from building sensors.
- Led company's data-driven transition by implementing and evangelizing a modern data and reporting stack on Snowflake, Fivetran, and dbt.
- Reduced operational overhead by leading migration from Apache HBASE to AWS DynamoDb.
- Turned local team knowledge into company-wide knowledge by creating tooling and infrastructure to publish documentation from dozens of code repositories to a single internal site.
- Increased learning pace of a product organization delivering new features once a quarter, to shipping multiple times per week.
- Guided direct reports through COVID-19 remote transitions, two rounds of layoffs, and a business pivot. Forged a gritty team through a difficult downturn.
- Revamped software engineer hiring process to remote positions and a higher bar.

### R/GA - Portland OR

**2015-2016 – Sr. SWE**
Premier design, branding, and advertising agency.
Was embedded at Nike Headquarters on the Nike By You (aka Nike iD) product customization team.

- Delivered mobile frontend for one of Nike's most profitable online experiences.
- Unlocked new sales drivers by working hand-in-hand with Nike.com teams to provide API integration between our embedded app and product pages.

### Cascade Energy - Portland, OR

**2012-2015 – Sr. SWE < SWE**
Industrial Energy Efficiency Consultancy.
Full-stack development of industrial energy management tool SENSEI.

- Built scalable utility meter ingest system on AWS EC2, S3, SQS, and DynamoDb.
- Developed calculation UI and API enabling expert mechanical engineers to create models on time-series measurements.

### ID Branding/Liquid Agency - Portland, OR

**2010-2012 – Jr. SWE**
Brand advertising, design, strategy and experience agency. ID Branding was acquired by Liquid Agency in early 2011.

- High level design and brand communication web applications for clients.
- Microsites for Nike, Trimet, and other regional clients.

## Education

Portland State University, September 2009-Jan 2010 (No Degree)
Pacific University, August 2004 – March 2006 (No Degree)
University of Oregon September 2002 – June 2004 (No Degree)
La Grande High School, Graduated 2002