

Christopher Frewin

Senior Full Stack Software Engineer
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📝 [Chris' Full Stack Blog](#)

in [LinkedIn](#)

🐙 [GitHub](#)

🏢 [Full Stack Craft LLC](#)



Updated April 22, 2021

My current situation: I'm a natural citizen of the United States, but I also have a permanent EU residence permit, based in Austria. I hope neither of these things disqualify me for applying - besides, I have healthcare in Austria that is not tied to any employer! 😊

EXPERIENCE AND MOTIVATION

I'm a senior full stack software engineer with 7+ years of development experience in a variety of languages and frameworks including TypeScript, .NET, JavaScript, Python, Perl, React, Bash, and significant experience with many other languages (most with 3+ years).

I have completed numerous full stack software projects: automation tasks, full stack web applications, APIs, microservices, advanced CI / CD configurations, and the occasional purely-for-display website. A recent project I'm proud of is **The Wheel Screener**, which has turned out to be my first profitable solo SaaS project! A more corporate example with a previous employer (Ospelt) included the full development cycle of a logistics and goods movement app used across three warehouses and in 12+ locations. In many projects I have been the sole developer; otherwise at most a small team of 2-3 colleagues or developers assisted with determining the specific business functionality of the project.

My strengths lie in my ability to learn new design patterns and environments quickly, implementing functioning applications and programs in a timely manner, building complex software systems, and being able to find and fix bugs or undesired behavior in complex stacks.

My true passion lies in endless endeavour that is software, consistently trying to improve my craft and educating others of my findings along the way. My blog, **Chris' Full Stack Blog**, and my **Full Stack Courses** reflect the passion I have for software engineering and education.

LIMITED LIABILITY COMPANY

Owner of Full Stack Craft LLC

03/01/2020 – Present

Schenectady, NY, USA

An umbrella LLC which covers my Full Stack Blog, my Full Stack Courses, and all current and future SaaS product I plan to build. The first most notable SaaS product just released in March of 2021 is The Wheel Screener, a market wide options screener tailored to finding the best trades for a specific options strategy.

<https://wheelscreener.com>

<https://fullstackcraft.com>

OTHER EMPLOYMENT AND PROFESSIONAL EXPERIENCE

Senior Software Developer

12/01/2019 – Present

ensigra, Buchs, Switzerland

Part-time work on diverse software projects and products, including: e-commerce webshops, automation tools, website maintenance, and microservices.

Full Stack Software Developer

03/16/2016 – 11/31/2019

Herbert Ospelt Anstalt, Bendern, Liechtenstein

Logistic automation and optimization and other productivity software.

Created three real-time SAPUI5 web apps which included building the server, frontend and WebSocket: a warehouse management app, a receipt of goods app, and a goods production planning app.

With all three apps I was the sole developer.

Graduate Research Assistant (M.S. Thesis)

10/30/2014 – 12/19/2015

Pepiot Research Group, Mechanical Engineering, Cornell University

Development of software that tracks molecular components of biofuel combustion.

Optimization of emissions reduction for petroleum-biofuel blends.

Data Engineer for Right Price Management LLC

02/19/2015 – 05/04/2015

Creating Airbnb Inc. and hotel databases from online APIs for a Cornell startup company that provides detailed pricing, analytics, and sentiment analysis for Airbnb Inc. property owners.

Website Developer for Upursuit

07/09/2015 – 08/11/2015

Ithaca, NY

Built a website which organizes Cornell Alumni events by calculating the distance of each event to the website user, and also the weather forecast for the start date of each event.

SELECTED SOFTWARE PROJECTS

The Wheel Screener

First release: 03/01/2021

A market wide options screener.

Currently generating approximately \$150 MRR

<https://wheelscreener.com>

chrisfrew.in

First release: 12/11/2017

Posting in on an ongoing blog about
full stack web development, ABAP, SAPUI5,
machine learning & natural language processing.

<https://chrisfrew.in>

Full Stack Courses

First release: 11/01/2018

Ongoing courses that take deep dives into
parts of full stack software development including
advanced TypeScript, Bash scripting, and Bitbucket Pipelines.

<https://www.udemy.com/user/chris-frewin/>

NLP Champs

First release: 11/11/2017

NLP Champs is a blog and forum with detailed how-tos
and development processes of various natural language
processing (NLP) techniques for software developers,
DevOps, and NLP hobbyists.

<https://nlp-champs.chrisfrew.in/>

New York Historical Markers

First release: 05/30/2017

A neat weekend React.js app that renders every historical
marker sign from New York State on a single page.

<https://codepen.io/galt/full/eWwdvX/>

Art Portfolio

First release: 07/06/2018

My portfolio showcasing some art and photographs that I've created.

<https://portfolio.chrisfrew.in/>

LANGUAGE CERTIFICATIONS

German Proficiency B1 - “Intermediate”

Awarded 11/18/2020

English - Native Language

EDUCATION

Cornell University, Ithaca, NY, USA.

08/22/2014 – 12/19/2015

M.S. Mechanical Engineering

Adviser: Professor Perrine Pepiot

Clarkson University, Potsdam, NY, USA.

08/27/2010 – 04/10/2014

B.S. in Mechanical Engineering with Honors and Great Distinction

Adviser: Professor Suresh Dhaniyala

Clarkson University, Potsdam, NY, USA.

08/27/2010 – 04/10/2014

B.S. in Physics with Great Distinction

Advisers: Professor David Wick, Professor Michael Ramsdell

PUBLICATIONS

Laurent, C. Frewin, and Pepiot, P. “Numerical tracers to investigate soot formation in multi-component fuel combustion” Paper presented at the 9th U.S. National Combustion Meeting, Cincinnati, Ohio

Laurent, C., Frewin, C. J., and Pepiot, P. **“A novel atom tracking algorithm for the analysis of complex chemical kinetic networks.”** Combustion and Flame 173 (2016): 387-401.

HONORS, AWARDS, AND FELLOWSHIPS

Spark Clean Energy Fellow

10/01/2014 – 05/09/2015

San Francisco, CA, USA, Cambridge, MA, USA, Ithaca, NY, USA

Selected as one of 16 fellows from a national pool of applications.

Three other fellows and I created a career accelerator for students to gain internship positions at clean energy companies the summer of 2015.

<http://www.sparkcleanenergy.org/jucce.html>

Austrian Marshall Plan Scholar

02/13/2012 – 08/01/2012

Wels, Austria

Academy of Applied Sciences Upper Austria

Conducted extensive literature review and implementation numerical parameter identification method for a simple system. Strengthened my skills with multi-variable calculus and the conversion PDEs to ODEs.

<http://www.marshallplan.at/index.php/features>

Recipient of a NSF Stipend through Grant #OISE-1065179

05/22/2011 – 08/05/2011

Beijing, China

Chinese Academy of Sciences Institute of Physics

Funded by partnership of the National Science Foundation, Corning Incorporated, and the Center for Advanced Material Processing at Clarkson University.

Studied experimentally the effect of repeated impact collisions on the coefficient of restitution for various materials.

http://web2.clarkson.edu/projects/reushen/ires_china

SOLE PROPRIETORSHIP

Owner and Founder of Siren Apparel

10/16/2011 – Present

Potsdam, NY, USA, Ithaca, NY, USA

Startup clothing company that donates all profits to firefighters and police officers.

Donated over \$500 so far to four different police and fire departments.

<https://sirenapparel.us>

<https://facebook.com/sirenapparel>