

I want to know the secrets of the universe. I am pursuing truth wherever it leads.

Career

Software Engineer

Gamgee BV

December 2020 - Present

Utrecht, Netherlands

- Implemented chat service for Avaya chat application in Elixir

- Wrote tests to support work done

Software Engineer

Gamgee BV

April 2019 - November 2020

Amsterdam, Netherlands

- Replaced existing backend based on Ruby/RabbitMQ/EventMachine with one written in Elixir

- Worked on 'Gamgee' app using React Native

- Extensive testing of routers/backend/app

Web / Mobile Developer

Appsquire Consulting

November 2017 - June 2018

Edmonton, Alberta

- Built 'The Starlite Room' app using React Native

- Built Ross' Gold point of sale iPad app using iOS/Swift with LAMP backend

Web / Mobile Developer (Contractor)

Kwiksol Corporation

August - October 2015, April 2017 - December 2018

Edmonton, Alberta

- Ported existing SaaS website to mobile site using PHP, jQuery, AJAX and Bootstrap

- Built cross platform app (Android, iOS) using React Native and Nodejs that utilizes existing database and syncs with existing live site

Web Developer (Volunteer)

New Tribes Missions (now Ethnos)

October 2016 - March 2017

Remote Work

- Assisted in building document management system using Aurelia and JavaScript

C# Web Developer (Contractor)

Real Foods Ltd.

December 2013-July 2014

Edinburgh, Scotland

- Developed email content management system using ASP.NET for automated customer service and online orders through the company's e-commerce website

- Developed image optimization task in C# and GraphicsMagick to scale and crop images for company website content to reduce server load

Developed web scraping scripts in Python with Beautiful Soup to scrape competitors' websites for price and product data

Web Programmer

Dundalk Institute of Technology

May 2012 – August 2012, Dundalk, Ireland

Designed and developed database backed website for the purpose of recording and reporting on class attendance written in Java using MySql database

Tested with Junit, automated with Ant

Website and Graphic Designer

Cara Web Design

January 2010 – December 2013

Athboy, Ireland

Developed websites using Drupal, Wordpress and/or HTML/CSS/JavaScript for small businesses and organisations

Designed graphics for the websites, brochures, business cards and signage

Software Researcher and Designer

Interact Forms Ltd.

July 2008 - January 2011

Athboy, Ireland

Designed software specification and cost benefit analysis for a new business web application with an Enterprise Ireland Innovation Voucher in partnership with Dundalk Institute of Technology

Early Career

Technical Site Supervisor - A-Frame Energy Efficient Homes, Ireland, 2006 - 2007

Company Owner and Builder - Custom Home Builder, Canada, 2002 - 2006

Oil Rig Crew - Precision Drilling, Canada, 1999 - 2001

Education

Post Grad Certificate in Evolution of Language and Cognition

University of Edinburgh

September 2018-December 2018

Edinburgh, Scotland, UK

MSc in Artificial Intelligence (Incomplete)

University of Edinburgh

September 2013-August 2014

Edinburgh, Scotland, UK

BSc in Computing (2.1)

Dundalk Institute of Technology

September 2009-April 2013

Dundalk, Ireland

Thesis: Benchmarking Servers: Java, Erlang, Tomcat and Yaws

Object Oriented System Analysis and Design Certificate

Southern Alberta Institute of Technology

September 1998-April 1999

Calgary, Canada

References

Dr. Christian Horn

Head of Computing Department, Dundalk Institute of Technology, Ireland

Email: christian.horn@dkit.ie

Dr. Matt Spike

Lecturer, Centre for Language Evolution, University of Edinburgh

Email: mspike@exseed.ed.ac.uk

Vincent Wansink

President, Kwiksol Corporation

Email: vincentwansink@outlook.com

Computer Languages and Skills

Programming Languages: Elixir, Erlang, JavaScript, PHP, Java, C#, Python

Web Languages: HTML, CSS, XML, JSON, JavaScript, jQuery, JSX (React)

Databases: Oracle SQL, MySQL, JDBC, MS SQL, Postgres

Operating Systems: Windows (10, 7, XP), Linux (Mint, Ubuntu, Scientific), OSX

Artificial Intelligence: Advanced Natural Language Processing, Advanced Vision, Reinforcement Learning

Design Tools: Photoshop, Balsamiq, Google Drive (Drawing), 3DS Max, GIMP, Blender

Office Tools: Word, Excel, PowerPoint, LaTeX, Libre Office, Google Docs

Project Management: Google Drive, Google Calendar, Trello, Jira

Systems Design: System Specifications and Design, Distributed Systems, Test Driven Development, White Box Testing, Black Box Testing

Testing, Automation and Debugging: ExUnit, Mocha, JUnit, Spring, Ant, Gulp, Benchmarking

Mobile: Android, iOS, React Native

Etc: Web crawlers, Web scrapers, Load testing, Git

Work Samples

Github: /GenericJam

Elixir code example: <https://github.com/GenericJam/websocket-client>

What Else?

I am a Canadian and Irish citizen living in the Netherlands for the past two years.

My favourite colour alternates between purple and red but I wear mostly black.

I despise golf shirts and blue pens. Pens should be black.

My favourite thing about Elixir is that it allows me to think 'higher thoughts' as coined by Bret Victor.