



{ Joshua M. Moore }

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{ objective }

Joshua Moore is looking to succeed in his first Senior Software Engineering role since obtaining the title, fighting the windmills that are Automated Tracking Systems. The bots have proven they can imitate the biases of their masters, no? Joshua is keenly interested in the future direction of the world wide web as an open platform, and often surprises with engineering acumen and empathy.

Thinking back to his last two positions, he would like to start a chess club at his next. He's honestly not that good, but sports an interesting style nonetheless, preferring learning from his opponents to learning the theory behind beating his opponent, for doing so feels like cheating to him. He has taught chess to elementary school students.

Ultimately, Joshua would like to be known as a Software Architect. Come to Josh with a technical problem requiring a plugin system, a domain specific language, or an insane arrangement of nested and interconnected templates, and he will build you a web page. From there, you can package it into a web app, a phone app, and any app store app with an API featuring a web view.

Joshua enjoys colorful art (Klee, Kandinsky, Hundertwasser), fantasy pastorals (Hans Werner Sahm), music (patterns of sound and time, harmonica), languages, pictionary, Settlers of Catan, and PC Space Simulations and RTS and is going to unbox his 3D printer as soon as he's settled into the next place.

His pastime for the past decade has been honing his skills, practicing building a browser based graph visualization package. It gets better each iteration.

{ keyword soup }

Web Pages

- HTML
- Javascript
- (CSS)
- Serverside Javascript

Front End Frameworks

- AngularJS
- jQuery
- three.js

Databases

- MySQL
- T-SQL
- Cassandra
- MongoDB

Encrypted Systems:

- MSSQL 2018
- OpenPGP.js

No Databases

- See web pages
- RemoteStorage.js

Software Development Methodologies

- Agile
- Waterfall
- Free Form

Modern Version Control Systems

- Git, Mercurial
- Gogs, Github, Bitbucket

Web Server Development

- Express.js
- Django
- Tornado
- ASP.Net
- Reverse Proxies

Programming Languages

- Any technology might qualify as a language under the right circumstances. Perhaps the core skill of computer science is learning and learning to develop languages:

- C++
- PHP
- Config Files
- Powershell
- VB.Net
- Python
- Bash
- Java
- C#
- JSON

Containerization

- docker
- docker-compose
- kubernetes

Language Design:

- PegJS

Data Science Tools

- Jupyter Lab
- matplotlib
- tensorflow
- tensorflow.js
- brain.js
- jvl
- Vega Lite

Operating Systems

- Chromebook
- Linux: Ubuntu, CentOS
- Windows
- Mac

{ a verifiable [bouquet](#) of [links](#) }

[Eight Queens](#) is a tribute to my father's challenge to solve the eight queens problem. Watch a chess board arrange eight queens so that none threaten each other.

[FourD Starter Kit](#) is a starter kit for producing your own force directed graph visualizations in the browser. This is a temporary version to keep the masses washed until the completion of this version of [FourD](#), which will feature energy efficiency enhancements making the technology suitable for mobile use.

[CASG](#) is an unmarketed prototype for a browser based 3D graph visualization. Explores and combines OpenPGP.js and RemoteStorage.js.

[Genetic Programming](#) is a Jupyter Notebook exploring a concept sometimes taught as a precursor to Machine Learning, introducing people to the concept of a cost function. Explores genetic programming, matplotlib, the matplotlib xkcd plugin. A handcrafted port from Javascript to Python, based on an interesting article.

[learnes](#) is a javascript tutorial by Nathan Whitehead I host for my facebook friends via heroku. It's taught me to grasp javascript, and how to write my own LISP.

{ resume }

Founder, Debate Club, **2CP USA**, Summerlin, Nevada

- How can artificial intelligence be used to produce a stalemate between warring parties?
- What are the proper roles of history and economics?
- Education Retention Challenges
- What are the nature and source of racism?
- What is the proper scope of personal and public information?
- Who has legitimate control over a concept, a method in mathematics?
- What is the proper scope of requirements documentation?
- What is the scope of our pandemic, and does it warrant working from home?

Founder, Debate Club, **Hirschi Masonry**, North Las Vegas, Nevada

- Developed a host of back-office support application enhancements to order from engineering manager
- Automated installation of back-office components
- Researched and documented software development related strategies
- Maintained and supported company wide, business critical IT infrastructure

Software Developer, **Accretive Technology Group**, Seattle, Washington

- Crafted Accounting support software

Mobile Software Engineer, **Knotis, Inc.**, Seattle, Washington

- Researched and developed technologies for an advertising startup
- Developed version 0 of company's mobile application
- Privacy oriented from design:
 - OAuth client/server authentication scheme
 - HTTPS secured traffic
- Contributed to server infrastructure under supervision of Architect Seth Denner
- Supervised mobile/web designer's contributions to mobile application
 - Clear division of responsibilities: Distributed HTML, JS (working, but black and white app with borders, links and placeholders), reintegrated designer's CSS
- Integrated QR code reading technology and Cordova based mobile app

{ resume, cont'd. }

Technical Project Manager/Software Developer, **Swiss Post Solutions Bamberg**, Germany

- Contributed to technical documentation, strategic vision of Engineering dept.
- Developed a host of business critical, industrial and administrative processes
- Delivered estimates, and estimate based project planning at the project and client level
- Found and converted opportunities for performance improvement, up to 95%
- Utilized encryption technology and training to build, maintain, and enhance distributed, encrypted components while maintaining their properties
- Utilizing training from Databases I and II, as well as a certification in SQL Auditability and Security, implemented, maintained, and improved stored procedures operating on encrypted data

Software Development Contractor

- Clients: **Seattle University, Nihaus.com, Gingerlime**
- Utilizing training from Survey of Programming Languages, learned XSLT and wrote HTML- and ECMAScript-producing code
- Built an image upload feature in Django, HTML and Javascript HTTP Requests
- Built a working online food ordering system

Software Engineering Intern, **ElectroImpact**, Mukilteo, Washington

- Applicant testing system, featuring an image upload feature in ASP

Software QA Tester Contractor, **ArenaNet**, Bellevue, Washington

- So great, they wrote an article about it

Software QA Tester Contractor, **Volt Technical Resources**, Bellevue, Washington

- Bizarre, they wrote the same article about it

{ where did the times go? }

{ education }

Joshua attended a neusprachlich, naturwissenschaftliches Gymnasium in Bamberg, Germany, and finished up High School in North Pole, Alaska, before attending Seattle University from 2006 - 2010. Given the option, he volunteered in food banks, and the First Generation Project. Karma made its way back in the recessions following 2008, which he weathered without starving to death.

2020 - ?, **University of Alaska Fairbanks**, Alaska

- I got accepted
- Currently procrastinating brainstorming ways to fund the good life that awaits
- Online courses, oh Engineers, what have we done?
- My goal is to create a mindmap of my undergraduate course's lectures

2019 - 2020, **University of Phoenix**, Online

- My second venture into distance learning
- I dislike deeply nested end user experiences with unnecessary
 - Borders
 - Logins
 - DRM controls
- *Renting* your "book" sounds like a bad deal

2017 - 2018, **University of Nevada Las Vegas**, Nevada

- Computer Science: A or B
- English: F

2011 - 2012, **Fernuni Hagen**, Germany

- Got accepted
- Ordered a handful of class material to look into
- Looked into it, decided it was out of my depth, despite experience
- No coursework completed

2006 - 2010, **Seattle University**, Washington

- I studied for three years, amassing an impressive array of accomplishments while I was serious, then dropped out after a suicide in the family. Shit changes ya.
- Discovered a paper by Dr. T. Veldhuizen, Dynamic Multilevel Graph Visualization, which prompted the next ten years of me deciphering it after hours. My work is not finished yet, but I understand enough of the calculus now, to keep working on it.