

Adam Visser

Passionate for Programming

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Experience

Growbotix LLC, Phoenix – Co-Founder

December 2013 – Present

- Hybrid MongoDB/MySQL data storage integration allowing for mass micro services configuration
- Designing/Building of Embedded hardware JSON Message interface on top of RabbitMQ allowing for reading of data and interacting with hardware physical space
- Open Source Python Based Arduino Project revival, restructure, and absorption
- Active tutoring and lecturing of peers on company and workload structure, design, implementation, plans, and goals
- Designing/Building of Django Channels Web Socket cloud based micro services connecting users to their systems at their home/farm
- Designing/Building of AngularJS SPA for monitoring and analytics of fruit/vegetable physical environment
- Designing/Building of Wireless Mesh Network allowing connection of embedded hardware across large distances
- Designing/Building of Event integration between micro services at site and online allowing for notification of failed physical systems
- Historical tracking and reporting through hybrid MongoDB/MySQL storage systems allowing farmers to legitimize their organic farms in the eyes of the FDA

Autodesk, San Francisco – Cloud Security Tools Engineer

June 2015 – Present

- Integration of storage systems, including (but not limited to) MySQL, MongoDB, LDAP/AD into Python/PHP server side controllers
- Responsible for Use Case gathering for project plans
- Building out JSON based APIs for use with AngularJS and QlikView front ends
- Developing Semantic UI/Foundation/Bootstrap UI/UX layouts for 5 separate projects
- Leveraged AngularJS to build out client side ticket

Programming Languages

- Python
- C/C++
- Java
- C#
- HTML/CSS/JavaScript
- PHP

Favorite Frameworks

- AngularJS
- Tornado
- Laravel
- Semantic UI
- QT
- Arduino
- RaspberryPI GPIO

Skills

- Active Technical Requirements gathering
- Acquiring Community Standardized UI paradigms
- Security Driven Code
- Data Structures and Algorithms
- Full Web Stack Programming
- Server Side Code Specialization
- System Administration
- JSON/REST APIs
- Web Sockets
- Responsive UI
- MVC Expertise
- Passionate about Coding Standards and Paradigms

Phoenix NAP, Phoenix – NOC Engineer

May 2014 – June 2015

- Configuration of network interfaces of Hardware Firewalls, Operating Systems, and Network Switches including (but not limited to): OpenSUSE, Ubuntu, Debian, BSD, CentOS, Arch, Brocade, Dell Sonic Wall
- Active troubleshooting of browser updates breaking UI/UX of clientele web apps
- Infrastructure installation/configuration including (but not limited to) datacenter hardware, operating systems, firewalls, varnish cache services, LAMP stack, CPanel/Plesk control panels
- client LAMP stack infrastructure migration onto updated hardware and operating systems.

Consultant, Phoenix

December 2013 – April 2014

- Tutoring of both peers and clientele of programming concepts, principles, languages and frameworks in Java, Python and HTML/CSS/JS
- WordPress Plugins allowing integration of Foundation, Real Estate Listings, Asset Management, and brand UI/UX
- Design/Build a JSON API and Admin interface for a coupon and event share mobile app
- Day to Day client acquisition and maintenance duties
- Migration of Client infrastructure from Microsoft to Google services including (but not limited to) emails attachments, calendar appointments, and browser bookmarks
- Refreshing of client technology infrastructure both in office and online. Operating System Refreshes, Workstation optimizations, etc.

LookWheelWrightGroup, Phoenix – Full Stack Engineer

February 2012 – December 2013

- Configuration of both clientele and business LAMP stack
- Management of taking client approved site mock ups and converting into pixel perfect responsive websites
- Assessment of client goals and expectations to determine deadlines, goals, expectations, and prices of client contracts
- Client communication and management to maintain contract during progression of projects
- Integration of JavaScript Frameworks to allow for improved UI/UX based on mock ups

Education

University Of Advancing Technology,

Phoenix AZ– Computer Science

Graduation still TBD, Attended from 2009-2012

Computer Science Degree that is a handful of credits from being completed due to family troubles. Classes taken in Artificial Life Programming, Data Algorithms, and various programming languages.

N. Muskegon Public High School, Muskegon

MI – High School Diploma

Graduation year of 2009

Public education with vocational classes including C++ and HTML/CSS programming. National Honor Society Member.

Additional Frameworks

- Bootstrap
- Codeigniter
- WordPress
- Android
- Boost
- Paninni
- Spring
- Hibernate
- XNA
- Django
- Web2Py
- OpenGL
- CUDA

Projects

Ziptopia – June 2016

During the interview process with ZipCar I was given a programming challenge similar to the traveling salesman paradigm. As there was already a coder who had a degree in philosophy and was able to bang out a “theoretical best” fairly quickly, I opted to go another route: DATA MINE. So currently I am data mining a fake world using a json API I built to collect data on the people that are waiting, and traveling. This data is correlated between destinations and current locations to determine a deeper meaning of how each building in the fake world acts upon the people in it.

Battle Ship Web App – June 2016

I was given a coding challenge to create a simple version of the game battleship in an online web app form. Since Django Channels will be coming shipped with Django soon, I opted to take the opportunity to solidify my knowledge of the framework. As of right now I am building a web app which will allow users to connect to my server via a web socket, and battle an AI navy general.

Autodesk Internal Team Website – January 2016

After being moved onto a new team within Autodesk I was tasked with creating an internal website to act as a place to get info on my new team. As there was already a WordPress website in place, and the people managing the website would need a simple CMS, I opted to keep WordPress. I am not a fan of WordPress but I am proud to say that my work was highly smiled upon in this project.

Autodesk Secure Development Life Cycle Data Collection Interface – January 2016

One of the initiatives that I was involved in at Autodesk was to properly track the security properties of the various product development within Autodesk. In most cases we were taking in data from Checkmarx, App Scan, and Qualys which was put in by the project managers. Once the data had been input and saved to a MySQL database, QlikView was later able to pull the data out to display in an easy to understand format.

Animal Squad Longboards - December 2015 – Present

A project with the intension of creating affordable parts for open sourcing to a community of electric last mile long board builders. Arduino programming is used to transmit signal from a controller to the electric long board. We have to build breadboard prototypes that work with the arduino and its modules to reliably transmit and then interpret this signal.

Avnet Tech Games - 2011

Avnet is a technical company that holds competitions for skills relating to the IT industry. I competed in building an android app that would function as the only game piece needed for a game of charades.

Business Professionals of America Competition - 2009

Taking vocational classes in high school allowed me to create a team and compete at the state level for skills related to building a website. We had to build a website that would show off a product and present it to judges.

Iwanttogotonotredame.com - 2009

A friend of mine had the idea to request donations in order to help pay for school. I built the website that was used to tell her story and collect these donations. It was featured in the local news.

Garry's Mod Server Site - 2007

As a young man I played a video game with friends that required a lot of mods in order to get the most fun out of it. I built the website that we used to keep track of what mods we would want on our server.