

Andrew William Prado Hanson

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EDUCATION

Penn State Harrisburg

BS degree in Information Science, option in Design and Development

AWARDS

- Chosen to have lunch with Google representatives by Penn State as a student entrepreneur.
- 1st place for Nittany AI Challenge 2020 at HackPSU for developing PocketLawyer.
 - <https://devpost.com/software/pocket-lawyer>
- Won the Google Cloud Challenge 2020 at HackPSU for developing PocketLawyer with our team.
- Won \$100 amazon gift card for developing PocketLawyer with our team.
- 2nd place prize at York College of Pennsylvania Hackathon (YCPHacks).
- 3rd place In Pennsylvania Phi Beta Lambda Business Plan Competition.
- Elected Vice President of the Phi Beta Lambda business club at HACC.

SKILLS

- Building, configuring, testing, and deploying virtual machines onto servers.
- configuring VMware vSphere virtual machines using ESXi.
- Installing, updating, and managing Microsoft Windows, Apple's OS X, and various types of Linux servers or UNIX environments.
 - Windows Server 2012, Red Hat Linux, Fedora, Arch Linux, Ubuntu, Ubuntu Server.
- Programming in Python, C, C++, Java, C#, .NET, JavaScript, Typescript, jQuery, Node.js, npm, React Native, Vue.js, HTML5, CSS, BASH, PowerShell, Swift, Perl, XML, SQL, T-SQL, MySQL, Microsoft SQL Server Management Studio (MS SQL), Visual Basic, VBA, AWS, Azure, MongoDB, Postgres, Docker, GCP (Google Cloud Platform), Postman .
 - JavaScript frameworks: Cordova framework, Electron Framework, AngularJS.
 - MySQL and MongoDB for databases on servers.
- Responsive Web Design for web applications.
- Launching, Configuring, and developing Node.js, Flask, Django and Apache Web Server applications.
- Microsoft Excel, Word, and PowerPoint, Access.
- Filezilla, sftp, ftp, VNC, PuTTY
- Understanding through Penn State classes of agile, waterfall based software development practices.

EXPERIENCE

Systems Analyst III | Retail Business Services (RBS)

- Data analysis and development using the NCR platform to generate reports from data feeds in regards to store sales, inventory, weekly summaries, etc.

Programmer Analyst II | Benecard PBF

- Programmed Python scripts for creating EDI data for prescription drug purchase orders for multiple pharmacy locations.
- Application development in the Java programming language for a Mail Order Prescription drug application
 - wrote unit tests using JUnit, Spring Boot, Struts, etc.
 - added instructions to documentation.

July 2022

Senior Software Engineer | Sportsmans Deals LLC

- Programmed Python scripts for data analysis of a cryptocurrency mining farm.
- Developed and modified new and existing code in a LAMP environment.
- Conduct quality assurance testing.
- Developed software in an environment that follows agile methodologies.

- Used Selenium to automate data mining and analysis.
- Used the Perl programming language and JavaScript for software development.

September 2018 - October 2022

Operations Systems Analyst (promoted to Infrastructure Analyst Nov. 2018) and Software Developer | DHL Logistics

- Managing various Windows and Linux Servers (often remotely) through vSphere (and VPN), sometimes on call.
- Configuration and deployment of virtual machines within vSphere.
- PHP and JavaScript programming for onsite internal Intranet website.
- Microsoft SQL Server Management Studio for managing, analyzing, testing, and executing SQL queries on web applications.
- Systems Administration using Active Directory, Group Policy rules, WatchGuard (firewall) monitor, Azure Active Directory.
- Provide second level PC support to onsite and remote users, troubleshooting and diagnosing complex issues with tools such as DameWare and SonicWall VPN.
- Completing all requests within Service Level Agreements.
- Developed custom iPad and Android apps to be used onsite; coded in XCode and Android Studio using JavaScript, HTML5, jQuery, SQL, PHP, and Cordova framework.
- Built multiple Web APIs for various web applications.
 - Truck Yard fuel and refrigerant level Auditing.
 - Safety Inspection of rack locations in the warehouse.
 - Survey Kiosk.
- Provided IT support to a food manufacturing, production, repackaging and fulfillment facility.
- Configured Kronos time clocks onsite, and worked with Kronos data.

January 8, 2018 - September 2018

Conversion Technician and Help Desk Analyst | JFC / Foot Locker

- Contracted to help convert Foot Locker retail stores from Windows XP to a new system with Red Hat Linux servers, Windows Server 2012, and Debian Linux clients.
- Built and shipped servers and cash register systems to retail stores and remotely configured these systems with Vmware VSphere ESXi.
- Used technologies and tools such as Clonezilla, Filezilla, SSH, ftp, VNC.
- Wrote Windows PowerShell scripts and Linux BASH Scripts to automate configuration and installation of systems.

September 2016 - Present

Founder, CEO, Lead Software Developer | Hanson Software LLC

- Managing the Red Hat Linux AWS server running hansonsoftwarellc.com, then converted to Google's Firebase.
- I currently have 5 apps available on the app stores.
 1. pickuPlines (Android): <https://play.google.com/store/apps/details?id=com.pickuPlinesXx&hl=en>
 2. Trippy Animations (Android): <https://play.google.com/store/apps/details?id=xdk.intel.trippyanimations.b001>
 3. Trippy Animations Free (Android): <https://play.google.com/store/apps/details?id=xdk.intel.trippyanimationsfree.b001>
 4. Trippy Animations (iOS): <https://itunes.apple.com/us/app/trippy-animations/id1166288643?mt=8>
 5. Trippy Animations (Android): <https://itunes.apple.com/us/app/trippy-animations-free/id1180476891?mt=8>

More Links

- Github: <https://github.com/hanson0291>