

## EMPLOYMENT

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<b>Lead Software Developer</b>	<b>Maple.FM</b>	<b>Winter 2013 – Fall 2014</b>
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- Set up the initial CentOS dedicated server.
- Created the initial website, database, and RESTful interaction with backend C# clients.
- Worked on serving near real-time data to 300+ concurrent users requesting roughly 10,000 entries each from a single, low-end dedicated server. Optimized via a cron job that updated the cache.
- Created a price estimation algorithm for MapleStory items utilizing machine learning (ElasticNet) with roughly 20 features and a few samples.

<b>Lead Software Developer</b>	<b>Guidepoint Systems</b>	<b>Fall 2015 – Present</b>
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- Began as a software developer, and was quickly promoted to Lead Software Developer (6 months in).
- Saved the company in multiple instances when the servers “stopped working.” Too many reasons to name.
- Lead the development of a new dealer site using Laravel and Bootstrap.
- Recreated a mobile app in Phonegap for the company and implemented barcode scanning.
- Currently working on migrating a tangled mess of dedicated servers to Amazon AWS without documentation.

## EDUCATION

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<b>Waco, TX</b>	<b>Baylor University</b>	<b>Fall 2009 – Spring 2012</b>
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- Undergraduate Coursework: Databases; Algorithms; Programming Languages; Comp. Architecture; Software Engineering; Calculus III; Japanese.

## TECHNICAL EXPERIENCE

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### Projects

- **Towerpeg** (2014-2015). A file / calendar system hosted by Amazon AWS. Utilizes AWS Load Balancing, Laravel, Nginx, etc.  
(<https://github.com/Codepeg/Towerpeg>)
- **Unfinished 2D MMORPG** (2011 – 2013). 2D side-scrolling MMORPG with fully destructible terrain (Minecraft-style). Had to overcome many challenges. Java  
(Source code available upon request)
- **Packet Editor** (2010 – 2012). Has its own, self-made scripting language and allows for advanced real-time packet manipulation and injection. C++, wxWidgets  
([code.google.com/p/ripe](http://code.google.com/p/ripe))

## ADDITIONAL EXPERIENCE AND AWARDS

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- **Math Tutor (2008 – 2009)**: Tutored pre-algebra, algebra, geometry, pre-calculus, and a small amount of calculus at Tarrant County College’s Northwest campus.

## LANGUAGES AND TECHNOLOGIES

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### Proficient

- PHP; Java; C++; JavaScript
- Sublime; Laravel; Visual Studio; Eclipse

### Basic

- C; x86 Assembly; MySQL; C#.NET; Python; Bash
- jQuery; Bootstrap; git; SVN; AWS

NB: Skills and technologies are ordered, more or less, by familiarity, with the most familiar coming first. Some employment / projects skipped due to lack of room.