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ALEXANDRIA CORNWALL

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EMPLOYMENT

Lead Software Developer   **Guidepoint Systems**   **Fall 2014 – Present**
- 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.

Lead Software Developer   **Maple.FM**   **Winter 2013 – Fall 2014**
- 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.

EDUCATION

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

TECHNICAL EXPERIENCE

Projects   *(https://github.com/Faytth)*
- **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*)

ADDITIONAL EXPERIENCE AND AWARDS

- **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

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. Check my GitHub for more.