CHRISTIAN CHARUKIEWICZ

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EDUCATION

University of Illinois, Urbana-Champaign Dec 2014

B.Sc. Mathematics & Computer Science, Philosophy (Double Major)

EXPERIENCE

Roompact Jan 2015 - Present

Software Engineer

· Designed, built, tested, deployed, and maintained sophisticated application features using various web technologies

· Examples include a **websocket based news feed** for near real-time communication, a **statistics system** for usage analysis, a **worker/queue system** for mass email/text messages, a **caching system** for dynamic data, a **single sign-on system** for external authentication servers, a **RESTful API** for third party integration

· Managed over half a dozen virtual Linux servers, configured firewalls, installed server daemons, wrote BASH scripts and cronjobs for backup processes, etc.

· Technologies used included Linux, CakePHP, Node.js, MySQL, Redis, JavaScript, jQuery, AJAX, Websockets, HTML5, CSS3, Supervisor

Roompact May 2014 - Aug 2014

Software Development Intern

· Built application features with CakePHP, MySQL backend and HTML5, JQuery, AJAX frontend

· Configured and maintained Linux servers; automated server tasks through BASH and cronjobs

· Built distributed process notification system with queue server and worker processes

· Developed and implemented data mining algorithms to collect user data for subsequent analysis

Illini Emergency Medical Services Sept 2012 - May 2014

EMT-Basic (Volunteer Position)

· Worked with and led teams of EMS providers at designated events

· Provided pre-hospital basic life support to patients

Next Generation Gaming, LLC Oct 2012 - Nov 2013

Director of Community Experience

· Managed development team consisting of multiple developers working on developing features for small game server with over **8,000 players** a month

· Designed and implemented a system which automated and expanded all product sales; removed sales overhead costs and released multiple new varietys of digital products which increased average monthly revenue from approximately **$9,000** to **$15,000** a month

· Worked with the PAWN language, MySQL, and PHP

TECHNICAL SKILLS & LANGUAGES

Programming Languages	Python, PHP, Javascript, BASH, C++, Java, Ocaml, Haskell
Operating Systems	Linux, Windows, OSX, Android, ChromeOS
Databases & Statistical Tools	MySQL, Microsoft Excel, Numpy/Scipy/Matplotlib (Python)
Tools & Software	git, svn, ssh, s/ftp, vim, dstat, grep, supervisord, cron
Spoken Languages	English (native proficiency), Polish (bilingual proficiency)