Eric Youngberg

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{ Objective

A driven civil servant and software engineer with an entrepreneurial spirit towards risks and newly discovered challenges. Team leader and motivator of peers who faces the unknown with curiosity so to educate others with our findings.

{ Skill Summary

Proficient With: JavaScript (Node, Ember, React), Python3, PHP, HTML, CSS (SCSS), PostgreSQL (PostGIS), *NIX networking technologies

Comfortable With: Go, Ruby (Rails, Jekyll), C/C++, Java, R, MySQL, MongoDB

Toolbox: User Centered Design, Docker, Mapbox, Amazon Web Services, Google Analytics, Google Routing API, Capistrano, LaTeX, Sentry, Shopify, WordPress, Adobe (Photoshop, Illustrator, XD), Debian-based Linux distros

{ Relevant Experience

Metropolitan Area Planning Council | Boston, MA | (97 employees)
https://mapc.org

The Metropolitan Area Planning Council (MAPC) is a quasi-state government agency that serves the 101 municipalities in Metropolitan Boston. This regional planning agency is unique to its counterparts, being a separate agency from the metropolitan planning organization. MAPC houses departments ranging from Clean Energy to Public Safety, including a department dedicated to Data Services.

Full-stack Developer | 05/2017 to present | Hours per week: 37.5

My role resides within the Digital Services group under the Data Services department. MAPC's Digital Services follows the 18F service model as a cost-recoverable in-house digital consultancy. We offer our services internally, to assist in furthering our agency's mission, and externally, to the municipalities that reside within our region. Given our work revolves around state-wide datasets,

we often release products that benefit the entire state. Keeping inline with the agency's planning work, our applications typically utilize a degree of geographic information systems, namely ArcGIS, PostGIS, and Mapbox.

Technical Skills Used: JavaScript (Ember, React), HTML, CSS (SCSS), Ruby (Rails, Jekyll), Python3, Go, R, Docker, Amazon Web Services, PostgreSQL (PostGIS), Mapbox, Sentry, Adobe XD, WordPress, User Centered Design

- Managed an array of interns with differing skill sets and was responsible for delegating tasks that leveraged their strengths while improving their weaknesses.
- Built content-oriented Jekyll websites that presented long-form policy pieces in an accessible format without sacrificing aesthetic or the control of our content creators.
  Example: https://equityagenda.mapc.org
- Designed and implemented new UI and UX for a legacy application, performing user interviews and user centered design to enhance the site's effectiveness.
  Example: https://massbuilds.com
- Collaborated with diverse teams of domain experts that have knowledge in areas which I have none, and successfully translated their knowledge into code to augment their workflows.
- Furthered relationships and empathetically communicated with our clients to explore their needs and manage expectations, position mistakes and celebrate successes.
- Maintained our cloud infrastructure on Amazon Web Services, and performed security updates along with manual security improvements without downtime.
- Implemented custom designs with pixel-perfect precision, understanding the nuanced affordances provided by the work of professional designers.
- Partnered with a design firm to craft a brand for our regional plan update; this brand is used to characterize and illustrate the trajectory of our agency's work and the future of our region.
- Introduced a data pipeline that allows our data to be more accessible to the public and power users without upending current infrastructure.
  Example: https://datacommon.mapc.org

Limitless Studios | Geneva, IL | (2 employees)
https://lmtlss.net

Limitless Studios was an entrepreneurial endeavor that I had started in partnership with a friend of mine who is skilled at graphic design. We had started the business while returning to highschool for our sophomore year with the goal of helping bolster the online presence of our town's local businesses. We continued our work through college but have since mutually parted professionally to pursue other post-degree opportunities.

Co-owner, Lead Developer | 07/2009 to 08/2017 | Hours per week: ~20 (varying)

Wrote the services and agreements contract; had control over all technological decisions; met deadlines according to scopes negotiated with clients; promptly handled troubleshooting requests.

Technical Skills Used: JavaScript (Node), PHP, HTML, CSS (SCSS), Shopify, Adobe Illustrator

NIU ResTech | DeKalb, IL | (8 employees)

The ResTech group at Northern Illinois University is responsible for building and maintaining the intranet for housing. The intranet securely contains applications that handle all student-school relations such as: dormitory check-in/check-out, device lab asset tracking, residential student information, residential building key-card access controller, student surveys, and many other applications in proximity to those listed.

Application Developer, UI Designer | 10/2015 to 05/2017 | Hours per week: 15

Maintained and contributed to a codebase of over 300,000 lines of code; designed clean, flat interfaces that are both student and administrator facing; daily code review through GitLab; migrated hosting environment into Docker containers from legacy Ubuntu environment.

Technical Skills Used: JavaScript (Angular.js), PHP, HTML, CSS, Docker, MySQL, *NIX networking technologies, Adobe Photoshop

Clique Studios | Chicago, IL | (30 Employees)
https://cliquestudios.com

Clique Studios is a web development agency located in the heart of downtown Chicago. They are one of the Midwest's top award-winning web agencies that specializes in creating custom catered websites using WordPress and Magento.

Web Developer Intern | 05/2015 to 08/2015 | Hours per week: 40

Gained experience learning from one of the Midwest's top web studios; completed assigned client work while effectively communicating with a designated project manager; implemented fully custom designs into front-end code; never had to fetch coffee.

Technical Skills Used: HTML, CSS (LESS), PHP, WordPress, Magento, Adobe Photoshop

{ Adjacent Experience

Creative Arts at Park | Brookline, MA | (40 employees)
http://www.creativeartsatpark.org

Creative Arts at Park is a summer program oriented around youth expression and exploration of different creative outlets. The program offered classes to youth aged 7 - 15 in a spectrum of mediums from clay to web design.

Head of Computer Dept., Instructor | 06/2014 to 07/2014 | Hours per week: 40

Youngest department head in company history; oversaw and guided other instructors; updated and structured curriculum; taught children ages 10 - 15 about modern design concepts, web technologies, and basic programming concepts; resolved any technological malfunctions on campus.

Technical Skills: Adobe (Photoshop, Illustrator), Wix

Apple, Inc. | **Chestnut Hill, MA** | **(35 employees)**

I had worked in an Apple retail store while transitioning between schools. I was a part of the technical staff that worked alongside the Geniuses; I was a part of the sales staff during the holiday rush.

Family Room Specialist | 10/2013 to 04/2014 | Hours per week: 25

Triaged and performed repairs on Apple's mobile devices (iPhone, iPad, iPod); edited Apple's internal system Bash scripts when malfunction occurred; shared day-to-day findings with team members in meetings; managed customer complaints and appointments.

Technical Skills: Bash

{ Education

Northern Illinois University | Fall 2014 to Spring 2017 | GPA: 3.48 with Honors
Bachelor of Science in Computer Science
Bachelor of Science in Mathematics

Columbia College Chicago | Fall 2011 to Spring 2013 | GPA: 3.6
Studied in Audio Arts & Acoustics

{ Awards

American Planning Association (MA Chapter) - 2018 Planning Project Award - MassBuilds
https://massbuilds.com

American Planning Association (MA Chapter) - 2018 Planning Project Award - Housing Task Force
https://housingtaskforce.mapc.org

{ Relevant Writing

"The Feedback-Induced Pivot: Retrofitting Apps To Better Meet User Needs"
Medium | April 2018 | *https://bit.ly/2XbszgN*