Patrick R. McGrath

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EDUCATION

Northeastern University, Khoury College of Computer Sciences — Boston, MA
Candidate for a Bachelor of Science in Computer Science, exp. 2020 — *Sep 2016 – Present*
- *Academics*: **3.75/4.0** GPA, Dean's List
- *Activities*: President of Agape Christian Fellowship, Former President of NU Association of Computing Machinery

TECHNICAL SKILLS

Programming Experience: Python, Ruby/Rails, Java, JavaScript (Vue.js, Node.js), HTML, CSS/SCSS, C, SQL, PowerShell
Technology: AWS, Apache NiFi, Hadoop, Elastic Cloud / ELK, MongoDB, Webpack, Docker, Linux, SolarWinds, git, Spark,

PROFESSIONAL EXPERIENCE

Farelogix — Boston, MA / Miami, FL
DevOps, Co-op — *Jul 2019 – Present*
- Led the architecture and implementation of the infrastructure monitoring tooling for the organization, monitoring 1,000+ servers, switches, and load balancers across a hybrid multi-cloud environment, using SolarWinds with a suite of custom tooling built with PowerShell, Jenkins, Django, Vue.js, Docker, RDS, and EC2
- Built a custom deployment pipeline to configure application server monitoring across production blue-green deployments of immutable infrastructure, using Jenkins, Spinnaker, AWS, and PowerShell

PlacePass — Boston, MA
Data Engineer, Co-op — *Jul 2018 – Dec 2018*
- Architected and implemented the automation and deployment process for *all product data* using NiFi, ElasticSearch, MongoDB, Python, and Java, enabling daily updates of products that were previously updated every month
- Worked with the Director of Engineering to design and build the structure for data ingestion of product data, using Apache NiFi for data orchestration, MongoDB for state management, and Python for data transformations
- Cut the onboarding time of new partners in half by developing standardized components with config driven systems

Full Stack Engineer, Co-op — *Jun 2017 – May 2018*
- Engineered countless new conversation related features on our customer facing Ruby on Rails application while performing thorough AB testing, helping to double our conversion rate
- Built the marketing analytics suite on our platform using a hybrid of client-side and server-side tracking, collecting actionable data on millions of users using Google Tag Manager, jQuery, Mixpanel, and Ruby on Rails

Forgecraft Servers — Madrid, Spain
Founder, Owner, Sole Manager — *Dec 2013 – Jul 2015*
- Created and managed two virtual servers that hosted an environment for gamers to play Minecraft with each other, using open source Java applications hosted on Linux servers, and achieving a 436% ROI
- Hired, trained, and led a staff team of over 15 people to support our 6,500+ unique players

LEADERSHIP EXPERIENCE

Victoria McGrath Foundation — Boston, MA
Board Member, Vice President — *Feb 2018 – Present*
- Managing all tech-related assets while helping direct the course of the foundation

Boy Scouts of America — Weston, CT
Eagle Scout and Junior Assistant Scoutmaster — *Sep 2009 – Jun 2014*
- Spearheaded Eagle Scout project designing and carrying out a renovation project with the help of fellow Scouts for Weston Historical Society, fulfilling 100+ hours of community service requirement in order to achieve Eagle Scout rank

ADDITIONAL SKILLS & INTERESTS

Languages: Fluent in English; conversational ability in French, Spanish
Interests: Avid traveler (25+ countries), photography, hiking / backpacking, skiing, reading tech news