Patricia M. Brent

PatriciaMBrent@gmail.com – (865) 806-8059
SENIOR SOFTWARE ENGINEER

EMPLOYMENT:

Capital One – *Center for Machine Learning (C4ML)*, New York, NY
Senior Software Engineer, 2019 – Present; *Software Engineer* 2017 – 2019
- Build and maintain automated CI/CD pipelines as part of internal machine learning platform
- Automate custom AWS machine image creation, reducing ECS cluster auto-scaling time by ~75%
- Own security and compliance for legacy data science platform with 1000+ active users
- Drive team norms, best practices around DevOps, logging, monitoring, code quality for 60+ person infrastructure project team, including SLA design and adoption
- Demo Kubernetes platform for machine learning to 80+ internal conference attendees
- *Technologies*: Kubernetes, Docker, Jenkins, Terraform, Python, DataDog, AWS, Ansible

Phosphorus, Inc., New York, NY
Software Engineer, 2016 – 2017
- Lead External Database, HIPAA Compliance, Monthly Financial Reporting projects
- Design, implement, test, and deploy features for SaaS genetic lab management web portal
- Rapidly problem-solve user issues as part of weekly issue triage rotation
- *Technologies*: Scala, Java, PostgreSQL, AWS, Spring, Ruby on Rails, Wicket, Jenkins

Recombine, Inc., New York, NY
Junior Software Engineer, 2016
- Overhauled test result report generation logic and design to integrate with Mandrill/MailChimp
- Improved event logging to increase web portal security and simplify audit querying
- Engineered workflow enhancements, saving users 30 min/day of bioinformatics QC time
- *Technologies*: Scala, Java, PostgreSQL, AWS, Ruby on Rails, Heroku, Wicket, JavaScript/Angular

Bronx Early College Academy, New York, NY
Tenured Mathematics Teacher & IB Diploma Programme Coordinator, 2012 – 2015
- Managed successful IB programme authorization and development, including weekly staff training
- Rated Effective each year and tenured upon eligibility, with student college acceptance > 95%

EDUCATION/CERTIFICATION:

Teachers College, Columbia University, New York, NY
Master of Arts in Mathematics Education with NYS Certification in Math Education, May 2011

The University of Chicago, Chicago, IL
Bachelor of Arts in Mathematics with honors; Bachelor of Arts in Psychology, June 2010

SIDE PROJECTS:

Open-source appointment portal via GitHub ○ MongoDB-powered blog using Java drivers, Maven
○ Social book review single-page app ○ Lightweight MVC Framework ○ Minefinder game

VOLUNTEERING:

○ Application Screener for Girls Who Code Summer Internship; Grace Hopper Celebration Scholarships;
   National Center for Women & Information Technology AspireIT
○ LGBTQ+ Employee Group leadership team ○ Community-based math tutoring

linkedin.com/in/patriciambrent ○ github.com/pmbrent