

# Elvin Samuel

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## EDUCATION

**The University of Georgia** (2008 - 2013) | Athens, GA

*B.S. Biomedical Engineering & Bioinstrumentation*

- **Cum Laude**; 3.5/4.0 GPA

## WORK EXPERIENCE

**Genomenon, Inc.**

**Software Developer** | Ann Arbor, MI | May 2021 – Present

- Developed an app using Angular, Sass, Rails, and ElasticSearch to curate genomic data for multi-million dollar clients.
- Collaborated across teams to define, design, and implement features.
- Expanded automated test coverage with Selenium, Rspec, and Capybara for new and existing features company-wide.
- Integrated & maintained RESTful APIs in Golang and Python.
- Built a search utility using Python and Postgres to improve curation results.
- Utilized AWS CLI, S3, CloudWatch, and Semaphore for data storage/process monitoring.
- Applied PERL and Shell to develop a low-level automation tool, reducing the workload of the curation team by 25%.
- Deployed and versioned major releases using Heroku CLI, GitHub, and Docker.

## **USATestprep**

**Software Developer** | Atlanta, GA | Jan 2019 – May 2021

- Refactored MySQL schemas for high-traffic tables, improving performance.
- Built a JavaScript site-wide billing system with third-party API integration.
- Redesigned the front-end of the site utilizing SASS, HTML5, JavaScript (jQuery), and Bootstrap.
- Collaborated on building a (Django) app for a site with 5.4 million users.
- Collaborated with a UX/UI developer to enhance usability for young students.
- Implemented Test Driven Development (TDD) through PHPUnit testing and CI/CD.
- Optimized the internal search utility with MySQL, reducing search time by 92%.
- Developed a JavaScript system for subscriptions, increasing new trials by 16%.
- Pioneered the integration of an Early Childhood Education (ECE) product.
- Maintained knowledge bases and ticketing with Jira, utilizing Agile processes.

## **MEDITECH**

**Software Support Tech** | Atlanta, GA | Jan 2014 – Nov 2018

- Coordinated with ~100 client hospitals to update and improve software.
- Collaborated on interdepartmental teams to build software improvements.
- Pioneered and documented new processes to significantly improve operations.
- Received high praise from upper management, receiving several company awards.