

Current Address:

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Matthew Fishman

Contact:

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Objective: Results-oriented software engineer with a B.S. in Computer Science (3.86 GPA), and 2 years of professional programming experience aiming to leverage an eye for detail in an impactful mid-level software engineering role.

EDUCATION**B.S. Computer Science - *summa cum laude***

Virginia Tech – Blacksburg, VA

GPA: 3.86

Minor: Music Technology

Graduated: May 2019

Honors Scholar

TECHNICAL SKILLS

Programming: Java, Python, C#, Javascript, C, Spark/Scala, PostgreSQL, Bash, XAML, JSON, JUnit, ScalaTest, HTML, CSS

Tools: AWS {ECS, Lambda, S3, EC2, EMR, ELB, ALB}, Jenkins (CI/CD), JIRA, Spring, IntelliJ, Visual Studio, Hashicorp Vault, PGAdmin, Android Studio, Eclipse, Unity, Snowflake, Artifactory, Eratocode, AllAccess, Active Directory, WPF

OS: Windows, Android, Linux, OSX

EMPLOYMENT

Senior Software Engineer – Capital One (Banking) in New York, NY

August 2019 – Present

- Developed **big data** pipeline to become an official SwapDealer in accordance with government regulations using **Java/Spring, Scala/Spark, PostgreSQL, AWS and Snowflake**
- Automated SSH key rotation and secret management process using **bash, Jenkins, Hashicorp Vault, Linux servers**
- Architected various AWS-hosted internal tools such as document tracking/extraction, decision making, and data storage using programming languages and AWS services such as Python, Javascript, AWS Lambda, ECS, and IAM
- Leveraged Eratocode and Qualys to find and remediate any cybersecurity vulnerabilities in Capital Markets apps

Research – PolitiGauge in Blacksburg, VA

January – May 2019

- Using **Python, Flask, and Javascript** to build a Chrome Extension that predicts the political bias of a given article
- Leveraged RNN machine learning models and natural language processing
- **VTURCS 2nd place – Faculty Choice, People's Choice**

Software Development Intern – Capital One (Banking) in Richmond, VA

June – August 2018

- Developed **big data** pipeline tool using **Scala, Spark, AWS and Snowflake**
- Same responsibilities as a full-time engineer (same amount of story points and same agile ceremonies)

Software Engineering Intern – Lutron Electronics (IOT Systems) in Coopersburg, PA

May – August 2017

- Developed visual-search feature using computer vision, **C#, XAML, SQL, and OpenCV**
- Prototyped solutions implementing machine learning and computer vision APIs, such as
- Google OCR, Microsoft Custom Vision, and Emgu CV (C# wrapper API for OpenCV)
- Conducted UX design meetings and user interviews

Research – Exploring the Computability of Music Scores in Blacksburg, VA

January – December 2017

- Using **MusicXML** and **JavaScript** to build an API for querying music scores
- **VTURCS (Virginia Tech Undergraduate Research in Computer Science) 2nd place – Faculty Choice**

ACTIVITIES/INTERESTS**Music Composition**

November 2013 – Present

- Compose, record, mix and master music using Maschine (MPC), Logic Pro X (DAW), Ableton, and FL Studio
 - Additional instruments played: acoustic guitar, piano/keys, and ukulele

Delta Sigma Phi Social Fraternity (150+ members) – Previous Vice President

October 2015 – Present

- Oversee \$700k house purchase, redefine bylaws, and run chapter meetings

Theta Tau Professional Engineering Fraternity

February 2016 – Present

ACCOLADES

C.S.S.E Certification || *Fall 2020*

Phi Beta Kappa Honor Society || *Summer 2020 – Present*

Virginia Tech Honors Program || *Fall 2015 – Spring 2019*

PMI NJ Scholarship || *Spring 2015 – Spring 2019*