

Victor Brunell

Software Engineer – MS in Computer Science

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EXPERIENCE

Software Engineer, Perchwell

Orlando, FL 2022 – Present

- ◆ Developed an event-driven data pipeline on top of a microservice architecture using Kotlin, Postgres, RabbitMQ, Spring Boot, Docker, Kubernetes, and AWS.
- ◆ Built internal tools and APIs for analysis of MLS data.
- ◆ Designed the data engineering local development environment using Minikube and Docker.
- ◆ Implemented CI/CD pipeline using Github Actions, Docker, and Helm for K8s deployments.

Software Engineer, Homes.com

Orlando, FL 2018 – 2022

- ◆ Developed and maintained a multi-process data pipeline on top of a microservice architecture using Python, SQL, MongoDB, RabbitMQ, AWS, and Solr.
- ◆ Developed new features, batch processes, bug fixes, optimizations, and internal tools.
- ◆ Built unit tests and performed end-to-end integration tests.
- ◆ Updated legacy Perl pipeline segments to Python3.
- ◆ Built APIs and tools to support data analysis.

IT Integration Analyst II, Tallahassee Memorial Hospital

Tallahassee, FL 2017 – 2018

- ◆ Developed interfaces for medical systems and EMR systems.
- ◆ Built processes in the Cerner backend using CCL.
- ◆ Developed internal tools using C#/.NET to analyze data processed by the TMH integration engine.

Graduate Research Assistant, Florida State University

Tallahassee, FL 2016 – 2017

- ◆ Developed compiler optimizations, ALU designs, and CPU simulators in C and ADL.
- ◆ Member of a multi-university research team developing novel compiler optimizations.

Graduate Teaching Assistant, Florida State University

Tallahassee, FL 2015 – 2016

- ◆ Assisted in teaching the following undergraduate computer science courses:
 - ◆ Object-oriented Programming (C++)
 - ◆ Computer Design I
 - ◆ Data Structures and Algorithm Analysis

EDUCATION

Master of Science Computer Science

Florida State University

2015 – 2017

GPA: 4.0

Bachelor of Arts Asian Studies/Business

Florida State University

LANGUAGES

Python, C/C++, Kotlin, SQL

SKILLS

Postgres, MySQL, MongoDB, Solr, Git, Github, Unix/Linux, Restful APIs, Docker, K8s, RabbitMQ, Spring Boot, AWS (S3, EC2, RDS, ECR, EKS, boto3), Data Engineering, ETL Pipelines