

Victor Brunell *MS in Computer Science*

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EDUCATION

Florida State University

MS in Computer Science

2015 – 2017

GPA: 4.0

Thesis: Dependency Collapsing in Instruction-Level Parallel Architectures

Florida State University

BA in Business / Asian Studies

2000 – 2006

SKILLS

C, C++, Python, Perl, SQL, Mongo, Git, *nix, HTML5, CSS, Javascript, Docker, Google Cloud Platform, APIs, Data Engineering, Compiler Design

SELECTED COURSEWORK

Compiler Construction, Advanced Topics in Compilation, Computer Architecture, Artificial Intelligence, Data and Computer Communications, Mobile Programming, Computer and Network Administration, Theory of Formal Languages

EXPERIENCE

Software Engineer, Homes.com Tallahassee, FL 07/2018 – Present

- Member of the data engineering team.
- Responsible for delivering enterprise data and building and maintaining the data pipeline.
- Developed software in Python/Perl/Mongo/SQL.
- Built standalone programs, codebase enhancements, optimizations, and tools.

IT Integration Analyst II, Tallahassee Memorial Hospital Tallahassee, FL 08/2017 – 07/2018

- Developed code to interface medical systems.
- Built servers and routing scripts in the Cerner backend using CCL and Open Engine.
- Developed apps using ASP.NET and SQLServer to process and report integration engine data.

Research/Teaching Assistant, Florida State University Tallahassee, FL 08/2015 – 08/2017

- Taught C++ programming, computer design, and algorithm analysis to undergraduates.
- Developed compiler optimizations, ALU designs, and CPU simulators in C/C++ and ADL.
- Assisted in computer architecture and optimizing compiler research.

Business Consultant, Coastal Water Systems Tallahassee, FL 08/2012 – 08/2017

- Developed the company website using HTML5, CSS, and Javascript.
- Built and administered the office computer network using Windows Server and Active Directory.
- Modernized business systems via online billing, invoicing, and account management systems.

English Program Coordinator, Tokushima Board of Education Tokushima, Japan 08/2006 – 06/2011

- Acted as coordinator for 75 foreign English teachers (ALTs) working in Tokushima, Japan.
- Performed Japanese-English translation and interpretation.

Junior Software Developer, Ben Johnson Associates Tallahassee, FL 08/2004 – 12/2005

- Aided in the development of a specialized search engine for financial analysis.
- Developed databases and parsed large volumes of data using SQL, *nix shell scripts, and C++.

Academic Research: http://www.cs.fsu.edu/~whalley/papers/brunell_thesis17.pdf