

# 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++, Java, Python, SQL, MIPS, HTML5, CSS, Javascript, Android Studio, Git, Unix/Linux, \*nix Scripting, LaTeX, VMWare, Google Cloud Platform, Bash, Powershell, ASP.NET MVC5, SQL Server

## 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

### **IT Integration Analyst II, Tallahassee Memorial Hospital** Tallahassee, FL 2017 – Present

- Developed VB code to interface medical systems in Corepoint integration engine.
- Developed Powershell scripts to automate system processes.
- Built com servers and routing scripts in the Cerner backend using CCL and Open Engine.
- Developed web apps using ASP.NET MVC5 and SQL Server to analyze and share data processed by the integration engine.

### **Research/Teaching Assistant, Florida State University** Tallahassee, FL 2015 – 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.
- Collaborated with research teams across three universities.

### **IT/Business Consultant, Coastal Water Systems** Tallahassee, FL 2012 – 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.

### **ALT Coordinator / English Teacher, Tokushima BOE** Tokushima, Japan 2006 – 2011

- Acted as coordinator for 75 foreign English teachers (ALTs) working in Tokushima, Japan.
- Taught English to Japanese senior high school students.
- Performed Japanese-English translation and interpretation.

### **Junior Software Developer, Ben Johnson Associates** Tallahassee, FL 2004 – 2005

- Aided in the development of a specialized search engine for financial analysis.
- Developed databases and parsed large volumes of data using SQL, Bash Scripting, and C++.
- Set up and administered the project server using Red Hat Linux.

Technical Writing Sample: [http://www.cs.fsu.edu/~whalley/papers/brunell\\_thesis17.pdf](http://www.cs.fsu.edu/~whalley/papers/brunell_thesis17.pdf)