

# BRANDON SERSION

+1 (740) 802-0815 – [SersionSoftware@protonmail.com](mailto:SersionSoftware@protonmail.com)

[www.linkedin.com/in/BrandonSersion](https://www.linkedin.com/in/BrandonSersion)

[www.github.com/BrandonSersion](https://www.github.com/BrandonSersion)

---

## JUNIOR FULL-STACK PYTHON DEVELOPER

---

- Languages: Python, JavaScript, Java, C#, PHP, SQL, HTML, CSS
- Frameworks: Django, Flask, AngularJS, jQuery, SQLAlchemy, Bootstrap, Sass
- Databases: MySQL, PostgreSQL, SQLite, MariaDB
- Experience with Object Oriented Programming (OOP)
- Experience with Object-relational Mapping (ORM)
- Experience building mobile responsive User Interfaces (UI) that integrate with APIs and back-end systems
- Experience with the Model–view–controller (MVC) architectural pattern
- Experience with Test Driven Development (TDD) – functional testing and unit testing
- Experience with Agile Software Development and Scrum – user stories, sprints, and stand-ups
- Enthusiastic to make my Python code more Pep8 compliant

---

## TECHNICAL SKILLS

---

<i>Languages</i>	<i>Python, JavaScript, Java, C#, PHP, SQL, HTML5, CSS3</i>
<i>Back-end Frameworks and Libraries</i>	<i>Django, Flask, Selenium WebDriver, Unittest, Faker, NumPy, Pandas, Matplotlib, BeautifulSoup, Requests, Venv</i>
<i>Databases</i>	<i>MySQL, PostgreSQL, SQLite, MariaDB, ElephantSQL</i>
<i>Data Access</i>	<i>Django ORM, SQLAlchemy, JSON, REST APIs, Braintree PayPal API, Stripe ecommerce API, Content Delivery Networks (CDN)</i>
<i>Front-end Frameworks and Libraries</i>	<i>AngularJS, jQuery, AJAX, Fetch, Bootstrap 3 and Bootstrap 4, Sass, Font Awesome, Lightbox</i>
<i>Tools</i>	<i>Git, Jira, Jupyter Notebook, Android Studio, Apache HTTP Server, XAMPP and LAMP Stack, Cloud Computing, phpMyAdmin, MySQL Workbench, pgAdmin, Visual Studio Code, Atom, Pylint, Emmet, Anaconda, Linux Terminal, Pip, NPM, APT, Bash, Microsoft Office (Excel, Access, PowerPoint, Word), Adobe Photoshop, ArcGIS, Raspberry Pi</i>
<i>Operating Systems</i>	<i>Linux (Ubuntu &amp; Arch based distributions), Microsoft Windows, MacOS</i>
<i>Methodologies and Practices</i>	<i>Agile Software Development and Scrum, Test Driven Development, Functional Testing, Unit Testing, Object Oriented Design, Mobile Responsive User Interface Design, Debugging</i>

---

## VOLUNTEER EXPERIENCE

---

- Eagle Scout
- Led community service project to build an orchard in Cincinnati's East End Veteran's Memorial Garden

---

## PROFESSIONAL EXPERIENCE

---

### **CODING TEMPLE – WASHINGTON, D.C.** **FULL-STACK PYTHON DEVELOPER**

**OCTOBER – DECEMBER 2017**

Full Stack Python/ Django professional boot camp. One of three in the United States. 10 weeks, full-time. Course Report Best Bootcamp 2017. The first half of each day was dedicated to instruction and whiteboarding on Bootstrap, Sass, JavaScript, jQuery, Python, Django, and SQL. The second half of each day was dedicated to team sprints, following Agile Methodology and Scrum. I built full-stack applications by myself as part of a team.

---

## DEVELOPMENT PROJECTS

---

### **Dawlab Co. Web Application – College Capstone**

*Python Django* full-stack web application built for a technology company. Built following Test-Driven Development methodology. Uses Django's template engine to scaffold pages with very little HTML. Mobile responsive Bootstrap4 UI. Uses Django-Allauth for user registration and authentication, including the option to log in via social media account. Stores employee information in a SQLite database. Uses Selenium Webdriver for functional testing and Unittest for unit testing. Hosted on the Internet using a Raspberry Pi production environment.

### **ImageHunt Web Application – Coding Temple Capstone**

*Python Django* full-stack web application that displays trending images. Generates dynamic page content with a progressive series of API calls using the Python Requests module. Stores image attributes in a PostgreSQL database. Has pagination and JavaScript lightboxes. Uses Bootstrap4 and FontAwesome.

### **Local Weather Web Application**

*JavaScript* front-end web application. Displays local weather report for the city of your choice using OpenWeatherMap's API. Originally used jQuery to make the API call and perform DOM manipulation. I recently rewrote it using only JavaScript and JavaScript's Fetch module.

### **Egg Hunt Game**

*Python* text adventure game. Built in a day with a small team, following Agile Methodology and Scrum. Uses a Python nested dictionary to control player movement. I recently rewrote it the Object-oriented way, using a constructor, class variables, instance variables, some ternary conditional operators, and a generator.

### **Property Management Web Application**

*Python Flask* and *AngularJS* web application, built in a day with one teammate, following Agile Methodology and Scrum. I set up the PostgreSQL database using the cloud platform ElephantSQL and wrote the SQLAlchemy object relational mapper.

### **Formal Research Paper on Cloud Computing Architectures**

12 pages comparing modern cloud computing architectures with traditional on-premises servers. Describes Infrastructure as a Service (IaaS), Platform as a Service (PaaS), Containers as a Service (CaaS), and Software as a Service (SaaS). Discusses in what situation you might choose each (price, features, ease of use, reliability, etc.)

---

## EDUCATION

---

### **Columbus State**

Associate of Applied Science, Computer Science – Web Development  
3.73 GPA – Graduate May 2018