KARTHIK KASALA   (919) 943-8085

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TECHNICAL SKILLS

Software Skills

- **Web & API Design:** Django REST framework, Bourbon framework, CSS3, HTML5, JavaScript, jQuery, Sass, Heroku.
- **Database:** Designed and implemented with SQLite and PostgreSQL.
- **Data Science:** Manipulation of data using third party libraries such as Matplotlib, Numpy, pandas, and D3.
- **Agile methodology:** Used Waffle.io and Trello for milestone sprints and keeping track of issues, bugs, and fixes.
- **Version control:** Used Git and GitHub to maintain applications on branches separate from the master branch.

WORK EXPERIENCE

Python Web Developer   **Oct 2015 – November 2015**
Versus.live   **Durham, NC**

- Created a web app with three other Python students using a Django REST API that can create brackets through Data Driven Documents (D3) for a wide degree of competitors on-the-fly at a variety of venues.
- Used the Bourbon framework, Sass, HTML5, and CSS3 to style the web app to create an enjoyable user experience.

Assistant State Auditor, Financial Audit Division   **June 2014 –November 2014**
NC Office of the State Auditor   **Raleigh, NC**

- Conducted interviews of government employees and documented departmental processes and procedures.
- Performed audits and assessments on functions, processes, and general controls related to and conformance with laws, rules and regulations pertaining to OMB-A133 for DOT's CAFR for Formula Grants for Rural Areas and Federal Transit.

Graduate Assistant, Information Systems & Mgmt Dept.   **August 2012 –May 2014**
University of North Carolina at Wilmington   **Wilmington, NC**

- Collected data on U.S. college business major requirements for the Cameron School of Business and sister schools.
- Performed research on hypothetical manufacturing costs based on several years' worth of student input.

Lab Technician – Genome Sciences   **Summers 2006 & 2007**
Duke University   **Durham, NC**

- Performed RNA extractions and DNA polymerase arrays.
- Followed proper procedure in order to consistently and accurately maintain contaminant-free lung cancer cell lines.

EDUCATIONAL EXPERIENCE

Data Science, Python & Django   **Graduated November 2015**
The Iron Yard, Cohort 5   **Durham, NC**

- Spent 60 - 85 hours a week learning, as well as implementing, data science & web development technologies in back-end and Python-focused projects over a twelve week period.

Master of Science (M.S.), Accountancy   **Graduated July 2013**
University of North Carolina at Wilmington   **Wilmington, NC**

Bachelor of Science (B.S.), Economics   **Graduated July 2009**
East Carolina University   **Greenville, NC**

VOLUNTEER EXPERIENCE

U.N.C.W. Aquaculture Program, *Cost Accountant*   **October 2012 – May 2013**

- Determined the essential costs for breeding black sea bass and southern flounder in artificial environments.
- Valued fish at different growth stages and analyzed the sustainability of operations under current conditions, creating an Excel spreadsheet with pivot tables and conditional formatting.