

Michael Street

Senior Consultant/CTO - Aligned Development Strategies, Inc

Washington, DC

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Work Experience

Senior Consultant/CTO

Aligned Development Strategies, Inc

November 2016 to Present

- * Orchestrated Agile project teams as CSM to deliver custom SharePoint and other browser-based applications (JavaScript, HTML/XML, CSS, ASP .NET, C#) for federal and local clients.
- * Instituted Agile best practices in house to deliver ASP .NET and PHP applications including WordPress as a CMS.
- * Led QA/QC team for client web application testing, wrote unit tests following BDD principles, validated Section 508 compliance of applications, wrote unit tests via 'unittest' and execution via Selenium WebDriver.
- * Conducted Medicaid data analysis using 'pandas' including pattern matching and visualizations via 'matplotlib' to track fraud, waste and abuse.
- * Administered Microsoft Azure Hybrid Network including VM and DB provisioning, constructing SNGs, administer AAD.

Founder & Executive Director

Black Men Code, Inc - Atlanta, GA

August 2015 to November 2016

- * Established a computer science training academy for underrepresented minorities teaching Python, JavaScript/HTML/CSS, Data Visualization, UX/UI, jQuery, RESTful services and Docker.
- * Developed a network of 700+ volunteers and participants through event planning and targeted marketing.
- * Partnered with both national and local high-technology companies to establish participant job pipelines.

Director of Research

Pattern R+D - Atlanta, GA

October 2015 to May 2016

- * Developed automated quality assurance checks on in-house analysis and simulation tools via 'unittest'
- * Built custom python plugins for large-scale geometric manipulation of shapes for iterative evaluation of energy consumption

Visiting Scientist

Oak Ridge national laboratory - Oak Ridge, TN

January 2015 to August 2015

- * Led software development for both the autonomous controls and optimal HVAC sizing of nation's 1st 3D printed, autonomous, off-grid home; 2 engineers, 1 intern, 3 principal investigators
- * Built mixed integer linear program (MILP) executed in Python via Gurobi over remote SSH

Visiting Scientist

Fraunhofer ISE - Freiburg, GR

June 2014 to December 2014

- * Developed a method to computationally model a novel façade integrated ventilation system in Python as a Functional Mock Up (FMU) via 'pyfmi' for client sponsored R&D.
- * Managed 3 collaborating scientists to develop client reports, modeling hypotheses, model performance indicators, unit testing and system architecture.

Side Projects

Evercalc - A calculator to determine the quoted exchange rate on Evercoin and compare to global averages.

Map-vis - A three-part intermediate series on data visualization in python for HS students.

Tetris - A take on the classic arcade game written in python.

Education

Ph.D. in Building Technology

Georgia Institute of Technology

August 2013 to December 2016

M.S. in Building Technology

Massachusetts Institute of Technology

August 2011 to January 2013

B.S. in Physics

Morehouse College

August 2007 to May 2011

Links

<http://github.com/MStreet3>

<http://medium.com/@mikestreet>

<http://michaelanthonystreet.com>

Certifications/Licenses

Certified ScrumMaster (CSM)

August 2017 to August 2019

Cybersecurity Fundamentals (CSX)

May 2017

Additional Information

Technical Skills

Python (Anaconda/Miniconda, pandas, matplotlib, numpy, OOP, unittest, selenium), JavaScript (jQuery, npm), HTML/CSS, Matlab, VMWare, MySQL, Git, Linux, WordPress

Certified Scrum Master (CSM)

Certified Cyber Security Fundamentals (CSX)