

# Emmanuel Peters

## Electrical Engineering PhD Candidate

New York, NY - Email me on Indeed: [indeed.com/r/Emmanuel-Peters/376fa4311716fd6e](https://www.indeed.com/r/Emmanuel-Peters/376fa4311716fd6e)

Sponsorship required to work in the US

### WORK EXPERIENCE

#### Professional Development F

Teachers College, Columbia University - Y, AK - June 2016 to Present

#### Founder, Webmaster & Editor

My Body, My Kitchen - New York, NY - January 2015 to Present

##### Responsibilities

Founded My Body My Kitchen (MBMK) and built mybodymykitchen.com in January 2015. In just over a year, grew the MBMK audience and readership to over 50K followers across its social media platforms, 6K email subscribers and 1K unique daily visitors.

#### Microsoft Access Database Developer

Columbia University Information Technology - New York, NY - September 2014 to September 2016

##### Responsibilities

Designed and implemented a Microsoft Access databases—including the front end and VBA code—for the Faculty Desktop Support (FDS) in the school Arts & Sciences at Columbia University. The database is in the beta stages of testing and already promises to improve the everyday operations of the finance staff.

#### Engineering Instructional Facilitator

Columbia University - New York, NY - August 2013 to August 2015

##### Responsibilities

The Center for Technology and School Change (CTSC) facilitated the Teacher Leader Quality Partnership (TLQP) Program where I collaborated with staff to design and lead monthly after-school workshops for elementary school teachers and perform in-class visits.

#### Electrical Engineering Intern

National Grid - Brooklyn, NY - May 2010 to August 2010

Collaborated with management and maintenance department in creating proper documentation of preventative maintenance procedures for all major equipment at the Greenpoint Liquefied Natural Gas facility. Studied the daily operations of the liquefaction, vaporization and emergency systems. Tested the Microsoft Access instruments database.

#### Business Analyst, Technology

MERRILL LYNCH - New York, NY - July 2008 to January 2009

Collaborated with technology and business subject matter experts to analyze and document business requirements. Supervised the completion of fortnightly project status reports by coordinating project managers and the budget department. Created VBA scripts to automate the creation and formatting of performance indicators reports; worked with management to reduce backlog of new clients by approximately 80%.

### LEADERSHIP & INTERESTS

## EDUCATION

### **PhD in Electrical Engineering**

COLUMBIA UNIVERSITY, SCHOOL OF ENGINEERING AND APPLIED SCIENCE  
September 2016

### **Master's in Electrical Engineering**

Columbia University in the City of New York - New York, NY  
2009 to 2011

### **Bachelor's in Electrical Engineering**

Columbia University in the City of New York - New York, NY  
2004 to 2008

## SKILLS

Matlab (5 years), Java (3 years), Excel (5 years), Research (6 years), Programming (6 years), Professional Development (3 years)

## LINKS

<http://instagram.com/escpeters>

<http://mybodymykitchen.com>

## PUBLICATIONS

### **Privacy in the Cloud: Anonymous Tax Preparation**

Peters, E. S., and Maxemchuk, N. F., 2016, Privacy in the Cloud: Anonymous Tax Preparation. IEEE 2nd International Conference on Big Data Security on Cloud. (Accepted for publication)

### **A Privacy-Preserving Distributed Medical Insurance Claim Clearinghouse & EHR Application**

2017

Peters, E. S., and Maxemchuk, N. F., 2017, A Privacy-Preserving Distributed Medical Insurance Claim Clearinghouse & EHR Application. IEEE BIGDATA4HEALTH 2017. (Accepted for publication)

### **Creating a Secure Processing Tree for Anonymous Distributed Data Processing in the Cloud**

2017

Peters, E. S., and Maxemchuk, N. F., 2017, Creating a Secure Processing Tree for Anonymous Distributed Data Processing in the Cloud. 2017 14th IEEE Annual Consumer Communications & Networking Conference.