

**Prince Titus Codjoe**  
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### EDUCATION

Drexel University - Pennoni Honors College  
BS/ MS Electrical Engineering/ Software Engineering

Philadelphia, PA  
Anticipated Graduation-June 2010

### HONORS AND AWARDS

- National Electrical and Computer Engineering Honor Society, Eta Kappa Nu (HKN), 2008 - present
- National Co-op Honor Society - Kappa Theta Epsilon (KTE), 2006 - present
- National Engineering Honor Society - Tau Beta Pi (TBP), 2008 - present
- Organizational Leadership Certificate, 2008
- Personal Leadership Certificate, 2008
- Dean's List, Drexel University, 2005- present
- Vice Chancellor's list, 2004-2005
- National Society of Collegiate Scholars, 2005 - 2006

### RELEVANT EXPERIENCE

#### **Adzepa Web Design and Software Solutions Inc.**

Founder/Director

Philadelphia, PA  
September 2007 to present

- Make professional websites for companies both local and abroad
- Build software solutions for educational institutions based in Ghana
- Give IT training to interested personnel
- Work with hosting companies to provide hosting and domain names for clients

#### **The Drexel Writing/Learning Center**

Mathematics Workshop Mentor/ Tutor

Philadelphia, PA  
September 2008 to present

- Help ran the math workshops for students
- Help guide students in understanding and solving their homework problems
- Help students develop the early skills of solving scientific problems
- Help peer review essay and writing drafts

#### **Pennoni Honors College - Drexel University**

Senior Honors Mentor

Philadelphia, PA  
September 2009 to present

- Always to be available to give academic advice from experience to a mentee when needed
- Direct mentees to various departments in the school to get their questions answered
- Send emails to mentees when important dates or events are approaching

#### **Comcast - Guideworks**

IT Administration Co-op

Radnor, PA  
March 2008 to September 2009

- Troubleshooted and solved server, network outage and performance problems as well as equipment failures
- Assisted with Microsoft mail administration as well as CATV related equipment set up and troubleshooting
- Helped to maintain corporate infrastructure by keeping asset inventory
- Set up new employees and contractors with IT related equipment to work with

#### **Drexel University College of Medicine**

Database Analyst

Philadelphia, PA  
April to September 2007

- Prepared online evaluations for students and reported on them after completion
- Ran student profiles and reports on professor request or for project meetings
- Made charts and queries to determine performance of students relative to their courses
- Created a student exam site using HTML and PHP
- Helped solve occasional hardware and software problems that cropped up during work

#### **Drexel African Student Association**

Webmaster

Philadelphia, PA  
September 2006 to April 2007

- Helped in the redesign of the organization's official website using HTML, Flash and Javascript
- Responsible for maintenance and updates on the website
- Managed the organization's mailing list
- Was in charge of the technological aspect of programs organized by the group and its associates

### SKILLS

Programming Skills: C++, C#, Java, HTML, Flash, PHP, MySQL, Javascript, VHDL, PSpice, Maple, LabView, MATLAB, AutoCAD

Microsoft Office: Word, PowerPoint, Excel, Access, Outlook, Publisher

Adobe CS3 Suite: Dreamweaver, Flash, Fireworks, Photoshop

## RELEVANT COURSEWORK

Advanced Computer Networking  
Electrical motor Control Principles  
Dynamic Systems  
Introduction to C++ and Java  
Software project Management  
Economics

Electronic Devices  
Signals, Systems and Transforms  
Computer Organization and Design  
Software Design  
Developing User Interface

Controls and Systems I  
Introduction to Logic Design  
Combinational Circuit Design  
Software Requirements and Management  
VHDL (Verilog) Programming

## PROJECTS

### **FAA - Drexel University Fellowship Program**

Remote-Controlled Underwater Camera System

Philadelphia, PA 19104  
September 2009 to present

- Develop new design to improve current lacking system
- Design a software architecture to control underwater camera to monitor cracks
- Build the software to control the underwater camera system
- As a team, working to develop proposal, report and presentation
- Produce a final product for the FAA research facility

### **Drexel University - College of IST**

Customer Relationship Management System

Philadelphia, PA  
September 2009 to December 2009

- Developed risk analysis document for the team
- Worked as a team to develop a project overview statement and a work breakdown structure for each member
- Worked as a team to prepare a presentation of our managed system project at the end of the term
- Submitted a 120-page report of our project well managed over the course of the term

### **Drexel University - Department of Computer Science**

Fashion Mechanics Computer Tutor System

Philadelphia, PA  
September 2009 to December 2009

- Performed a thorough background research on tutoring software based on computer assisted instruction.
- Designed software architecture for the system including eight detailed classes, a database and a graphical user interface
- Implemented a working software that tutors Classical Mechanics to Fashion Design students in three months
- Conducted an evaluation of the software based on 8-10 users
- Developed an 8-page ACM conference paper of the Mechanics tutoring software

### **Drexel University - College of Engineering**

Digital Recording System

Philadelphia, PA  
January 2009 to March 2009

- Planned to construct and test a digital recording system
- Designed the system using an ADC, DAC, static RAM, an onboard clock and the control logic
- Simulated the system to test its data acquisition capability

### **Drexel University - Department of Computer Science**

E-Voting System

Philadelphia, PA  
September 2008 to December 2008

- Developed a software that allowed people to vote in official and unofficial polls or elections online
- Designed software architecture for the system including five detailed services and a graphical user interface
- Worked as a team to produce a 48-page report

### **Drexel University - College of Engineering**

King of Prussia Monorail

Philadelphia, PA  
September 2005 to June 2006

- Developed plan to reduce heavy traffic congestion on Interstate 76
- As a team, worked to develop proposal, report and presentation
- Submitted a 40-page report summarizing the project with detailed drawings and proposals
- A nominee of the Annual Freshman Engineering Design Award