

Dongen Zhou

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- EDUCATION
- ◇ **M.S., Computer Engineering**, GPA: 3.2, (expected graduation 2018).
Drexel University, Philadelphia, PA
 - ◇ **B.S., Computer Engineering**, GPA: 3.1, 2016.
Drexel University, Philadelphia, PA
 - ◇ **B.S., Electrical Engineering**, GPA: 3.1, 2016.
Drexel University, Philadelphia, PA
 - ◇ **Study Abroad**, 2014
Technical University of Denmark (DTU), Lyngby, Denmark

- EXPERIENCE
- ◇ **Teaching Assistant**, (09/2016 – current)
Drexel University, Philadelphia, PA, USA
ECEP 480, Solar Power Engineering, Spring 2016-17, Senior Level Class
ECE 200, Digital Logic Design, Fall & Winter 2016-2017, Sophomore Level Class
 - Created multiple laboratory tutorials and handouts for the digital logic class
 - Instructed laboratory & recitation classes, held office hours
 - ◇ **Consultant**, (06/2016 – current)
Shanghai Da Cheng Cold Chain Logistics Co., Ltd., Shanghai, China
 - Providing technological solutions for logistical management, focusing primarily on:
 - Microsoft Excel (CSV) based solutions
 - Enterprise Resource Planning (ERP) functions
 - Efficient team-building
 - Providing management strategies and suggestions for the founder and executive team
 - ◇ **Assistant Technical Consultant**, (04/2014 – 08/2014)
Dowa Advanced Materials (Shanghai) Co., Ltd., Shanghai, China
 - Assisted in updating ERP system throughout the corporation:
 - Analyzed and designed user portals and interfaces
 - Performed resource planning independently for various departments
 - Maintained database with the headquarters in Tokyo, Japan
 - ◇ **Assistant Data Analyst**, (07/2013 – 08/2014)
Bank of Shanghai, Shanghai, China
 - Managed commercial banking database for regional headquarters
 - Analyzed corporate banking data and provided assistance with Microsoft Excel (CSV) based solutions
 - Assisted to interview, analyze, and document corporate customers with the corporate banking team

- HONORS AND AWARDS
- ◇ Dean's Fellowship, College of Engineering, Drexel University, 02/2016 - Current
 - ◇ Dean's Scholarship, College of Engineering, Drexel University, 09/2012 - 06/2016
 - ◇ Launch It! Scholarship, C. D. Close School of Entrepreneurship, Drexel University, 01/2014
 - ◇ Winner of [Break the Chain Contest](#), IntegriChain Incorporated, 06/2015
 - ◇ Champion, Student for the Advancement of Global Entrepreneurship (SAGE) China, 06/2008
 - Member of the Champion Team in SAGE China's Entrepreneurship Competition
 - Acted as an accountant for a multi-year charity project, selling donated goods

- RESEARCH ◇ A Cyber-Physical Platform for Smart Power Exchange in a Photovoltaic Assisted Power Network - Master's Thesis Project, 01/2017 - current
- Research in an advanced power exchange network using Programmable System on-Chip (PSoC) and Field Programmable Gate Array (FPGA)
 - Design High Level System for AC Power exchange using Digital Signals
 - Build mathematical models for analysis conducted on hypothetical user profiles
- ◇ Autonomous Robot Control Using Vision - Senior Design Project, 09/2015 - 06/2016
- Researched a comprehensive computer program that moves a Sphero robot autonomously out of a maze by recognizing and solving the maze based on camera vision at a bird's eye view
 - Designed and implemented cross-platform software solutions in processing visual data using Python based Breadth First Search (BFS) for Autonomous Planning and Scheduling (APS or AI Planning)
- ◇ Satellite Image Processing - Freshman Design Project, 03/2013 - 06/2013
- Analyzed satellite images for civilian infrastructures affected by Hurricane Sandy through designing and implementing a Matlab-based solution
- ◇ Scale-Space Representation and Distance Transform Project, 01/2014 - 04/2014
- Implemented different methods for the Matlab-based reconstruction algorithm
- LANGUAGE ◇ Mandarin Chinese (Fluent), Wu Chinese (Fluent), English (Fluent)
- ◇ Japanese (Proficient), German (Beginner), Danish (Beginner)
- GRADUATE COURSEWORK ◇ Advanced Geometry (Cohomology), Dynamic Systems
- ◇ ASIC Design I & II, VLSI Design, Custom IC Design, Advanced Computer Network
- ◇ High Performance Architecture, Parallel Computer Architecture
- ◇ Digital Electronics, Advanced Electronics, Digital Systems Design
- ◇ Engineering Management I & II, Marketing: Identifying Customer Needs
- ACTIVITIES ◇ Graduate Student Member, Eta Kappa Nu (HKN) Honor Society
Drexel University, 03/2017 - current
- ◇ Graduate Student Member, IEEE
Drexel University, 09/2012 - current
- ◇ Staff, Drexel Recreation Center
Drexel University, 01/2015 - 09/2015
- ◇ Member, Cherry Hill Ken-yu Kai (UPenn/Princeton Kendo Club)
University of Pennsylvania, 09/2011 - 10/2016
- SKILLS ◇ C, C++, C#, Assembly, VHDL, Verilog, Pthread, OpenMP, CUDA, BASH
- ◇ Python, Java, Perl, Apple Xcode, Matlab, Maple, R studio, Mathematica
- ◇ Synopsys – Design Compiler, IC Compiler, HSpice
Cadence – RTL Compiler, Encounter, Virtuoso Suite
- ◇ Mono Xamarin, L^AT_EX, Xilinx Vivado, Cypress PSoC IDE, OrCAD Pspice Designer
- ◇ Microsoft Office Suite – Excel, Outlook, PowerPoint, Publisher, Word
- REFERENCES ◇ **Dr. Baris Taskin**
Professor, Department of Electrical and Computer Engineering
Drexel University, Philadelphia, PA
E-mail: taskin@coe.drexel.edu
- ◇ **Dr. Prawat Nagvajara**
Associate Professor, Department of Electrical and Computer Engineering
Drexel University, Philadelphia, PA
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