Edyta Dudek

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EDUCATION

University of Minnesota |Twin Cities
- Full Stack Web Developer Certificate Program; May 2018
- Master of Math Education
- Graduate Courses in Engineering

Penn State University | Pennsylvania
- Graduate Courses in Engineering

Warsaw University of Technology | Poland
- Master of Science in Engineering
- Bachelor of Science in Civil Engineering

TECHNICAL SKILLS

HTML | CSS | JavaScript | Bootstrap |Firebase |Node JS | MySQL | MongoDB |Python | C++ | React Js

TECHNICAL APPLICATIONS

Global Prescription | Backend Developer |https://evening-sea-66958.herokuapp.com/
- This app gives the user access to the Federal Drug Administration database that houses a list of all drugs used in the US. The app then finds the drug international equivalencies based on the active ingredient. This database could also serve as a patient database for hospitals in the third world countries, where patient information is stored using pen and paper.
- Technologies used: Axios, Body-Parser, Bootstrap, Express, React, Reactstrap, Google-Map-React npm, Mongoose, US Food and Drug Administration API, International Drug BankAPI and Google Maps API.

Sortir! | Backend Developer | https://edudek002.github.io/SortirFinal/
- An App that allows users to enter a city, date and interest category, then searches nearby events based on the information entered. The user selects one of the events via click causing the Lyft button to display the estimated fare to get to the event as well.
- Technologies used: Bootstrap, Materialize, Google Maps API, Lyft API and Eventful API.

PeopleMagazine |Frontend, Backend Developer | https://fathomless-shore-48626.herokuapp.com/
- PeopleMagazine App allows the user to scrape recent articles with pictures. The user is able to save their preferred articles and add notes.
- Technologies used: Express, Request, Cheerio, Mongoose, Morgan and Express-Handlebars

SOFTWARE ENGINEERING AND INSTRUCTIONAL EXPERIENCE

- Girls Who Code (GWC) Program Instructor and Leader at the University of Illinois at Chicago and University of Minnesota
  - Taught Scratch, Python, App Inventor, HTML, CSS and JavaScript
  - In February 2016 GWC students showcased their work at Google Chicago
- GWC University of Illinois Partner
  - Organized 2 seven-week GWC Summer Immersion Programs (SIP) at UIC for forty underrepresented minority high school girls
- GWC SIP Chicago Lead
  - Led and supported teachers and teaching assistants of 6 seven-week GWC SIPs for high school girls at the following Chicago locations: Microsoft, Accenture, Synchrony Financial, UIC and DePaul University
- Technovation Challenge Master Educator (part of a group of 30 World Technovation Challenge leaders)
  - Coached middle and high school teams to design Apps using App Inventor and helped 4 teams to advance to World Semi-Finals in the competition for 10,000 participants
- SciGirls Twin Cities Public Television, Trainer of the Trainers
  - Trained UIC, UMN, Concordia University, Oakton College, Chicago Architecture Foundation and Shedd Aquarium professionals in best methods how to teach STEM to pre-college students
- Developed research and funding proposal for "Computer Science Outreach Program Evaluation Network (CS OPEN)", which resulted in securing grant for $15,000 from Google
- Served on research team which helped to secure $150,000 grant funding for NSF grant INCLUDES (Inclusion across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering and Science)
- Presented at the Women in Engineering Proactive Network
  - "Development of STEM Identity in Undergraduate Female Students", 2016
  - "Lessons Learned from a Year of Girls Who Code in the University Setting", 2015

RELATED WORK EXPERIENCE

University of Minnesota, Twin Cities   Girls Who Code Instructor   2017-2018
- Taught Web Design using HTML, CSS and JavaScript

University of Illinois at Chicago   Director, Women in Science and
2014-2017
                                               Engineering Program (WISE)
- Developed and implemented mentoring program for 100+ UIC STEM female students
- Organized and led program monthly events with speakers for 50+ participants
- Founded a GWC program for 60 pre-college girls

University of Illinois at Chicago   Research Specialist   2014-2017
                                               Center for Research on Women and Gender
- Developed research and funding proposals
- Developed and implemented STEM outreach research programs such as GWC

PROFESSIONAL EXPERIENCE - TEACHING

Saint Paul Prep Academy	High School Math Teacher	2013-2014
Edina High School	High School Math Teacher	2012-2013