Vinay Shanbhag

Detail-oriented Computer Engineer with experience in front-end web development

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☎ 217-377-7987

○ www.github.com/2015shanbhvi

in www.linkedin.com/in/vinayzshanbhag

SKILLS & COMPETENCES

`C++` `HTML/CSS`

`C` `Javascript`

`Matlab`

`SystemVerilog`

LANGUAGES

English
Native or Bilingual

Mandarin Chinese
Native or Bilingual

INTERESTS

`Marathons` `Cooking`

`Environmental Sustainability`

`Fine Arts/Design`

EDUCATION

Bachelor of Science in Electrical and Computer Engineering -- May 2019

University of Illinois at Urbana-Champaign

08/2015 – Present   *GPA: 3.60*

- CS 225 - Data Structures
- MATH 286 - Differential Equations
- ECE 385 - System Verilog Programming
- ECE 210 - Analog Signal Processing

WORK EXPERIENCE

Computer Engineering Intern

Riverside Research

05/2017 – 08/2017   *Dayton, Ohio*

- Implemented Fast Fourier Transforms on the Altera Arria 10 GX FPGA board to process various types of input signals.
- Designed the system on chip architecture to utilize the Nios II soft core processor.

Undergraduate researcher under Prof. Nam Sung Kim

University of Illinois at Urbana-Champaign

04/2016 – 07/2016

- Implemented neural networks using the Matlab Neural Network Toolbox to recognize handwritten digits from the MNIST Data set: https://github.com/2015shanbhvi/NNToolbox

iSTEM researcher under the supervision of Dr. Junhua Jiang

Illinois Center for Sustainable Technology

06/2013 – 07/2013

- Co-authored a research paper after collecting data from testing silver micro electrodes for groundwater nitrate detection.
- Jiang, J., Zhang, L., & Shanbhag, V. (2014). Improving Electrochemical Sensitivity Silver Electrodes for Nitrate Detection in Neutral and Base Media through Surface Nanostructuration. Journal of the Electrochemical Society, 161(2), B3028-B3033

Exchange Student Ambassador - Taipei, Taiwan

Rotary International Youth Exchange

08/2014 – 06/2015

- Attended Yong-Ping High School for one school year, hosted by Chung-Ho Fullmay Rotary Club (RID 3480), sponsored by Champaign Rotary Club (RID 6490).

ORGANIZATIONS

International Consulting Network - IT Consultant (02/2017 – Present)

Engineers for a Sustainable World UIUC - Webmaster (08/2016 – Present)

PERSONAL PROJECTS

PresenTable - WildHacks 2016 (11/2016)
- • Used HTML and CSS in Bootstrap to write the front-end of a web app called PresenTable that uses Facebook's and Clarifai's API to help users filter their photos by key phrases.
- Check it out here: http://presentable.herokuapp.com/#/home

Foodie - Boilermake 2017 (01/2017 – Present)
- • Used HTML, CSS, and Javascript to create a web app called Foodie that uses an Amazon Echo, Twilio's API, and Edamam.com's recipe API to text an ingredient list to a user's phone by telling Alexa a dish they want to make.
- 2015shanbhvi.github.io