

JISHNU DATTA

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EDUCATION

University of Illinois Urbana-Champaign

May 2018

Bachelor of Science in Computer Engineering

Technology Entrepreneur Center Innovation Certificate

WORK EXPERIENCE

SINAPSE

Singapore

Research Intern

May-Jul 2016

- Worked to implement motion segmentation using data from a dynamic vision sensor.
- Created and tested various motion profiles for a small unmanned, ground vehicle using Arduino, Putty, WinSCP and the Intel Edison.
- Coded and used a GUI in MATLAB to annotate collected data.
- Currently helping to finish the associated dataset paper, showing capabilities of motion segmentation with neuromorphic vision.

Big Brothers Big Sister of Greater Miami

Miami, FL

I.T. Intern

Jun-Aug 2015

- Maintained hardware and software for 50+ employees of national nonprofit organization.
 - Created a user guide for Office 365 in preparation for the company's switch from Office 2013.
 - Transformed 40+ outdated PCs for use in internal BBBS educational facility by addressing malfunctioning hard drives, replacing RAM and performing software updates.
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PROJECTS

Tower Up Android Game

Feb 2016

- Independently designed and coded an Android game for HackIllinois. Revolves around both building and climbing a tower simultaneously and implements a two-handed control interface.
- Created using Java, Android Studio and libGDX and published on the Google Play Store.
- Available at play.google.com/store/apps/details?id=me.jishnudatta.towerup&hl=en

Maze Game

Jan 2016

- Adapted Prim's algorithm to generate three dimensional mazes with ladders connecting the floors and implemented this into a top-down style PC game.

Personalized MP3 Player

Aug 2013

- Designed and created a personalized MP3 Player.
 - Lighting would change based on the music, giving a soft visual impression to aid falling asleep.
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SKILLS

Languages:

English, Bengali, French

Programming:

C++, Java, HTML, CSS, C, Arduino

COURSES

Current: ECE448 Artificial Intelligence, ECE385 Digital Systems Laboratory, ECE 310 Digital Signal Processing

Completed: ECE391 Computer Systems Engineering, CS225 Data Structures, CS173 Discrete Structures, ECE313 Probability with Engineering Application, ECE220 Computer Systems and Programming, ECE210 Analog Signal Processing, ECE120 Introduction to Computing, ECE110 Introduction to Electronics