

SUMMARY

Master's graduate with specialization in computer hardware design.

- Proficient in software programming, electronic circuitry, and media production.
- Experienced in customer services, including communication and financial management.
- Efficient leader and assistant, able to utilize resources to complete project research and development.

EDUCATION

Illinois Institute of Technology Chicago, IL May 2019

Master of Science in Computer Engineering [Major GPA: 3.65]

Coursework: VLSI Systems Design, Computer Architecture, Hardware Software Codesign, Operating System Design, Computer Network Security, Wireless Networking, Digital Systems-on-Chip Design

Illinois Institute of Technology Chicago, IL May 2018

Bachelor of Science in Computer Engineering [Major GPA: 3.70 | GPA: 3.71]

Relevant Coursework: Circuit Analysis, Digital Systems, Microcomputers, Signals Systems, VLSI Design, Object Oriented Programming, Data Structures and Algorithms, Systems Programming, Operating Systems, Database Organization

EXPERIENCE

IIT Teacher Assistant | Object-Oriented Programming I & II Chicago, IL Jan 2016 – Feb 2019

- Assisted students in introductory computer science programming.
- Lead lab sessions every week, answering questions and concerns.
- Reassigned as a teaching assistant six semesters in a row.

IIT Organization | UAV Experimentalists Chicago, IL Aug 2016 – June 2017

- Designed the imaging systems and assisted in cyber security protocols.
- Constructed a UAV emphasizing minimal costs with robust systems, allowing for future members to easily modify.
- Participated in the 2017 AUVSI SUAS competition at Naval Air Station in Patuxent River, MD

Interprofessional Project | Li-Ion Battery Fabrication Chicago, IL Jan 2017 – May 2017

- Fabricated nano-LiCoO₂ to decrease diffusion distance in electrodes.
- Collaborated with other groups to compose batteries capable of fast recharge while maintaining voltage.
- Awarded Dead's Choice Award and Track Award at Spring 2017 IIT IPRO Day.

Interprofessional Project | Big Data Science Chicago, IL Aug 2016 – Dec 2016

- Delegated and performed group tasks to form a collaborative effort in research and development.
- Utilized big data and prototyped a solution that acknowledges poor air quality and related concerns.

Research Assistant | Chicago Coin-Op Archive Chicago, IL Aug 2016 – Dec 2016

- Performed research in coin-op industry via interview on company Lucky Strike.
- Information gathered was historically archived for preservation.

Freelance Electronics Repair Technician New Orleans, LA Aug 2011 - Aug 2014

- Repaired various mobile devices, video game consoles, and other electronics for local clients.
- Physical repair/replacement of components, artistic modifications, and hardware modifications.

Patrick Taylor Tutor New Orleans, LA Aug 2012 – May 2014

- Assisted students in elementary mathematics and sciences, specializing in Calculus and Physics.
- Provided two sessions every week with individualized teaching regimen per student.

Couturie Forest Restoration Project New Orleans, LA Dec 2012

- Grew cypress tree saplings in controlled conditions to restore City Park after Hurricane Katrina.
- Used tree protectors to provide future research data regarding preservation effectiveness.

SKILLS

ModelSim	Java & Python	Adobe Dreamweaver
Virtuoso	C, C#, & C++	iMovie & Adobe Premiere
Autodesk Inventor	HTML & CSS	Macromedia Flash
Rhinoceros 3D	LaTeX & R	Audacity
Microsoft Office & Google Analytics	Mathematica & MatLab	Paint Tool SAI