

SAMUEL KEYS



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Summary

Computer engineering student with interest in both software and hardware development. Looking to grow network, find a career, and to further develop skills/self. Friendly, responsible, adaptive learner. Open to new experiences.

Education – *University of Kentucky*

Projected: **Bachelor of Science in Computer Engineering,** **GPA: 3.96**
May 2020 **Minors in Computer Science & Mathematics**

Experience

Jan. 2019 – May 2019 Startup Internship, *FlyWire, Lexington, KY*
Worked with a startup using GPS and camera technology to improve fishing sustainability. One project involved incorporating the company's data and workflow with cloud services (AWS). Another project used machine learning (OpenEM / CVision) to improve data analysis efficiency.

May 2018 – Aug. 2018 Nuclear Internship, *Duke Energy, Charlotte, NC*
Interned in the Fleet Digital Process Systems / Cyber Security department of McGuire Nuclear Station. Work included research / testing of network security software and appliances, maintenance of development lab, and miscellaneous tasks. Gained in-depth knowledge of power generation.

Aug. 2017 – May 2018 Peer Mentor, *University of Kentucky, Lexington, KY*
Worked for the Engineering Living Learning Program (LLP) dormitory as a peer mentor for incoming wildcats. Actively lead a group of 35 freshmen, planned events, mentored students, and coordinated with other mentors, resident advisors (RAs), and managers.

Skills

Software Dev. C, C++, C#, Java, Python, Assembly, MatLab, UNIX / Linux, Web Dev. (HTML, XML, CSS), virtualization (XenServer, VMware), Machine learning (CVision, TensorFlow), Amazon web services (AWS)

Hardware Dev. VLSI IC Design, microcontrollers (Arduino, TI Launchpad, Raspberry Pi), Icarus/Xilinx Verilog, MultiSim, PCB Design (Eagle), FPGAs

Soft Skills Organized, driven work ethic, constructive team-worker, good mediator, professional communication, positive attitude

Misc. Creative prototyping (CAD, 3D printing, CNC, woodworking), excellent with Microsoft Office suite, Information Tech., Computer networking, Photoshop, quick to learn new skills

Extra-Curricular

UK IEEE (Treasurer, Hardware Team Leader) | UK Entrepreneur Club (Marketing Chair) |
Tau Beta Pi (Initiation Chair) | Eta Kappa Nu | UK Rock Climbing Club (President)

Awards

UK Commonwealth Scholarship (2016-2020) | Dowell Federal Credit Union Scholarship (2017, 2018) |
UK WRD Award – Best Visual Essay (2016) | Dartmouth Book Award (2015) | Eagle Scout (2013)