First (Preferred) Last

Street Address | City, State Zip | (Phone)Number | firstl#@gmail.com
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Objective

Fresh graduate with <mark>skill from the job description</mark> experience looking to join <mark>company's</mark> team. I bring an eagerness to take on new responsibilities and challenges, as demonstrated through my projects and club work.

Education

University of College (City, State)   **June 2020**
Bachelor of Science in Electrical and Computer Engineering   GPA: 3.46
Concentration in Biomedical Instrumentation

Relevant Project Experience

Covid Contact Tracing Device   **June - September 2020**
- Recruited by ▮▮▮▮ to create firmware for a BLE device to be used for contact tracing
- Demonstrated an ability to learn rapidly and complete tasks with minimal resources

Senior Capstone   **January - June 2020**
- Partnered with ▮▮▮▮ to design a fully wireless pulse oximeter
- Designed PCB, devised algorithm, and created the 3D casing for each prototype
- Presented project and created 75 page technical report
- Final prototype was fully functional and ready for further development

Electrocardiogram
- Worked in a team to develop an ECG from basic components
- Simulated circuit in Multisim and used Labview for data collection and processing
- Final circuit cancelled 99% of noise and had appropriate frequency response

Human to Computer Interface
- Utilized myoware sensor and ARM processor to control a computer via a muscle
- Implemented ADC, PLL, interrupts, and UART of development board
- Created and carried out varied testing strategies for each system block

Other Experience and Recognitions

Cool Name (Student Club)   **2016 - 2020**
- Designed and created a basic CNC machine for the ▮▮▮ Museum
- Led a team of 5 tasked with developing a realistic 3D printed heart for medical training
- Project Manager (2018 - 2019)
  - Organized and vetted 7 projects for the academic year
  - Chose team leads and acted as their direct advisor
  - Created first end of year report to increase club visibility
- Co-President (2019 - 2020)
  - Organized workshops and speakers for weekly meetings
  - Supervised officer team of seven
  - Created a strategy that successfully increased membership by 70%

Most Helpful Peer   **2019**
- Elected from a class of 40 for helping classmates with questions and debugging firmware

Skills

Software: Microsoft Office, Multisim, Labview, Cadence, EasyEDA, Quartus, and Solidworks
Computer Language: C, Java, System Verilog, and Python
Equipment: Oscilloscope, Function Generator, DMM, 3D Printer, Arduino, and Soldering Kit
Experience: Circuit Design and Analysis, FPGA, Microcontroller (Arm Cortex), PCB Design, Arduino, CAD, Technical Report Writing, and Technical Presentations