

# Brice Vadnais

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## Campus Address

University of Hartford  
West Hartford, CT 06117

200 Bloomfield Avenue  
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- Objective:** Use the knowledge gained from college career to pursue a full time position in a computer engineering related field.
- Education:** **B.S. in Computer Engineering**  
University of Hartford, West Hartford, CT  
GPA: 3.68 / 4.0  
Anticipated Graduation Date: May 2018
- Honors:** Dean's List  
President's List  
Fall and Spring Semester 2014, 2015, 2016  
Fall Semester 2014, Fall and Spring Semester 2015
- Relevant Courses:** Electrical Circuit Analysis  
Digital System Logic  
Microprocessor Applications  
Computer Architecture  
System Design and Implementation  
Calculus-Differential Equations  
Computer Networks  
Data Structures
- Work Experience:** **Critical National Infrastructure (CNI) Intern**, PSEG LI, Hicksville, NY *June 2017 – August 2017*  
Built a web application using ColdFusion to track repairs being used in the field and the state of completion. Assisted CNI group with server maintenance and tracked UPS backups.
- Subway Lead**, Aramark, Subway, University of Hartford, CT *Fall 2016 – Present*  
Ensure that students perform their roles properly, as well as helping out as necessary on the line to guarantee a smooth operation.
- Key Projects:** **Instruction Set Simulator**  
A program built in python to simulate an instruction set for custom microprocessor. Built-in parsing for assembly of custom assembly language.
- Design, Simulation, and Implementation of Equalizer**  
Designed an 8-band equalizer with second order band pass filters. Simulated using PSpice, and implemented on breadboard.
- Design, Simulation, and Implementation of an 8-bit Data Latch Memory Module**  
Designed a memory module for a microcontroller in PSpice and designed a 2-layer PCB to implement it.
- Safer Stoves**  
An Arduino based device that controlled a motion sensor and relay/gas valve to shut off stove if the user was inattentive to their cooking. Built with intent for the elderly.
- Technology Skills:** OrCAD PSpice | Python | Java | Bash Shell | Linux | Windows | Xilinx ISE | Microsoft Word | Excel | Sublime Text | Netbeans IDE | Git | Allegro PCB editor | C++ | VHDL | Matlab | Soldering
- Technical Experience:** **Computer Building**  
Built and constructed computers for personal use and for friends. All started successfully and have worked consistently.
- Breadboarding**  
Familiar with how to implement and test circuits on a breadboard using various logic components.
- Lab Equipment**  
Very familiar with much of the equipment in an electrical lab. Such as: Digital Multimeter, Oscilloscope, and Variable Power Supply