Caden Zach

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EDUCATION

UNIVERSITY OF NEBRASKA - LINCOLN
B.S. in Computer Engineering
December 2016

COURSEWORK

UNDERGRADUATE
Software Engineering Practices
Algorithm Analysis
Circuit Analysis & Design
Signal & System Analysis
Unix Tools & Scripting
Networking Administration
Web Design
Database Design
Mathematics
Data & Statistical Analysis
Operating System Principles

SKILLS

PROGRAMMING
Experienced:
C# • Java • C • C++ • R
Matlab • SQL
Familiar:
COBOL • HTML • JavaScript
VB.NET • Python • Swift • CSS
AngularJS • ANTLR • Assembly

SOFTWARE & STACKS
Operating Systems:
Windows • MacOS • Linux • iOS
UX/UI:
WPF • Swing • AWT
Game Engines & Design:
Unity • Kinect
Web Technologies:
EJB 3.0 • JSP • Servlets
Embedded:
BACnet

PROFILES

LinkedIn: **cadenvzach**
HuskerHireLink: Caden Zach

EXPERIENCE

NANONATION
Software Developer
January 2017 – Present | Lincoln, NE
- Continued with projects started during internship and began work on larger, long-term projects.
- Integrated software with different types of third-party hardware such as card readers and fingerprint scanners.
- Developed games using Unity and Microsoft Kinect.

Software Development Intern
February 2016 – December 2016 | Lincoln, NE
- Coordinated projects with colleagues to fit client specifications for interactive kiosks, digital signage, and experiences.
- Created reusable product software primarily in C# & WPF.
- Worked alongside design team to integrate custom graphics and animations into developed software.
- Used Windows APIs to handle user input in applications.

UNL BUILDING SYSTEMS MAINTENANCE
Software Development Intern
March 2013 – December 2014 | Lincoln, NE
- Coordinated projects using Agile methodologies.
- Designed and implemented features for the college's building energy automation software.
- Created new GUI forms and interfaces using Swing.
- Designed and made new database tables and schemas via MySQL.
- Worked on updating the department's web pages to a new, college-standard template using JavaScript, HTML, and CSS.
- Programmed and debugged embedded field hardware to facilitate new features being added to the front end software.

BD
Information Technology Intern
May 2012 – August 2012 | Columbus, NE
- Assisted in rolling out updated hardware and software across multiple plants.
- Migrated user data and provided technical support to end users.
- Managed inventory audit records for hardware.

AWARDS

2011-2012   UNL Computer Science & Engineering Honors Program

OTHER EXPERIENCE

WEMCO
Machinist
September 2010 – December 2010 | Tarnov, NE

- Created parts for the assembly of large farm equipment trailers.
- Used heavy machinery including a drill press, metal cutter, and grinder.

MENARDS
Carry-Out & Cashier
March 2009 – September 2010 | Columbus, NE

- Assisted store customers with loading and unloading merchandise.
- Handled general maintenance around the property and acted as a cashier as needed.
- Helped customers with questions about their home improvement projects and various products.