

# Brice Lohman

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## EDUCATION

### WICHITA STATE UNIVERSITY

BS IN COMPUTER ENGINEERING

GRAD. DEC 2019 | WICHITA, KS

Minor in Computer Science

Dean's List | S18, F18, S19

Academic Commendation | F17

### BUTLER COMMUNITY COLLEGE

AS IN PHYSICS

GRAD. JUL 2017 | EL DORADO, KS

Order of the Purple Graduation Honors

### KANSAS STATE UNIVERSITY

BS IN SOCIAL SCIENCE

GRAD. JUL 2012 | MANHATTAN, KS

Concentration in Psychology

Minor in American Ethnic Studies

## COURSEWORK

### UNDERGRADUATE

ARM7 Assembly • Object-Oriented C++ •  
Linux Essentials • Computer Architecture  
• Digital Logic Design • Microprocessor  
Design • Circuits • Electronic Circuits •  
Operating Systems • Computer Networks

## SKILLS

### LEADERSHIP

DELTA TAU DELTA: GAMMA CHI

- President
- Vice-President
- Honor Board Justice

### HARDWARE

Multimeter • Soldering • PCB  
Design/Fabrication • Arduino •  
SPI/I2C • Raspberry Pi • Serial Bus

### OPERATING SYSTEMS

macOS • Debian/RedHat Linux •  
Windows • FreeBSD

### SOFTWARE

PROFICIENT:

Microsoft Office • Sublime Text • Visual  
Studio • VS Code

FAMILIAR:

XCode • MultiSim • CadSoft Eagle • Git

EXPOSURE:

Kicad • Android Studio

### PROGRAMMING

HTML/CSS • C/C++/C#/ASP.NET/VB •  
Python • ARM7 Assembly • 68k Assembly  
• Bash Scripting • MS Access • Angular •  
SQL

## PROFESSIONAL EXPERIENCE

### SPECTRUM, INC. | SOFTWARE DEVELOPER

JUL 2020 – PRESENT | WICHITA, KS

- Project management/development with direct communication with clients.
- Develop using the Agile framework with integration with ZenHub.
- Primarily develop frontend and backend solutions that incorporate SQL Server and ASP.NET with C#/VB.NET.
- Experience updating solutions to mobile applications using Angular and Ionic for Android and iOS platforms.
- Create WebAPIs in C# and ASP.NET to upgrade clients software to a more dynamic operation.

### BUILDING CONTROLS & SERVICES | DESIGN ENGINEER

JAN 2020 – PRESENT | WICHITA, KS

### WORKFORCE LOGIQ | NETAPP | QA STUDENT CONTRACTOR

JAN 2018 – JAN 2020 | WICHITA, KS

- Professionally trained in the Agile framework and utilized SCRUM tactics.
- Assist in the execution phase of the development process. Test experimental firmware releases through rigorous testing with various third party hardware to certify compatibility.
- Build host/array configurations using vendor HBAs, switches, and servers all connected via Fibre Channel, SAS, or iSCSI.
- Competent utilization of testing software based upon Python, PowerCLI, JIRA, CONFLUENCE, and shell scripts.
- Document and submit test results and bug reports to the correct teams to implement patches to firmware.

### USD 375 | TECHNOLOGY SPECIALIST: LEVEL 2

AUG 2013 – JUL 2017 | TOWANDA, KS

- Designed a cascade of NAS servers (Windows and FreeBSD) across the district, using Cobian Backup, for catastrophic failure prevention in order to reduce time aggregating restore data.
- Maintained and edited the Circle High School's website using HTML/CSS running on Windows Server 2003 with IIS.

## UNDERGRADUATE RESEARCH

### AUTOMATED WIFI UMBRELLA NETWORK

SPRING/FALL 2019 | WICHITA STATE UNIVERSITY

The goal of the project was to create a smart patio/beach umbrella that could be attached to WiFi and be controlled remotely. Both the server/front-end and firmware were written in Python3. The umbrella node utilized a Raspberry Pi Zero as well as external sensors attached to an ADC that fed the controller over the SPI bus. Motion was driven by an electric motor for open/close actions. An anemometer was used as a fail safe to automatically close the umbrella once an average wind speed exceeded user defined values to avoid damage.

### MICROBIAL DNA ASSEMBLY AUTOMATION PIPELINE

SUMMER 2019 | KINBRE BIOINFORMATICS

Created automation software, using Python3, to automate the pipeline that sequences and assembles a DNA sample from collection to finish without user intervention for Kansas State University.

(RESUME WITH ADDITIONAL WORK HISTORY IS AVAILABLE UPON REQUEST)