Benjamin Konz

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EDUCATION

UNIVERSITY OF OMAHA
BS in Computer Science
Concentration in Information Assurance
Expected May 2019 | Omaha, NE
Cum. GPA: 3.75

TU DELFT
Exchange Student
Spring 2018 | Delft, Netherlands

MILLARD WEST
High School Diploma
May 2015 | Omaha, NE

LINKS

Github:// **benkonz**
Gitlab:// **benkonzUNOmaha**
LinkedIn:// **ben-konz**
Stack Overflow:// **benjamin-konz**

COURSEWORK

UNDERGRADUATE
Operating Systems
Data Structures
Software Quality and Testing
Computer Graphics + Practicum
Linux Security Administration

SKILLS

PROGRAMMING
Proficient:
Java • JavaScript • C#
Prior Experience:
C • C++ • Rust
Familiar:
Coq • Scala • Android • MySQL • PHP

EXPERIENCE

NORTHRUP GRUMMAN | Software Engineering Intern
Nov 2017 - Current | Omaha, NE
- Implemented Docker as a core deployment strategy
- Wrote Unit and Integration tests, using JUnit, Mockito, and Java Spring, for many of the REST endpoints
- Contributed to code reviews and created user stories as part of an Agile work-flow

NATIONAL INDEMNITY COMPANY | Software Engineering Intern
May 2017 - Nov 2017 | Omaha, NE
- Use .NET technologies (C#, VB, ASP .NET Web Forms, Entity Framework, and NuGet) to modernize web-pages and desktop applications
- Full Stack developer creating internal web pages for employees and tools for business partners

HEALTH INFORMATICS LAB AT THE UNIVERSITY OF OMAHA
Student Software Developer
Dec 2015 - May 2017 | Omaha, NE
- Created an Android application to help Mid-West Hospital Labs securely upload microscopic images of pathogens, deployed at 42 labs across Nebraska and Oklahoma
- Incorporated and continued development on a core PHP RESTful API to be consumed by client applications
- Developed the first iteration of the Nebraska Watershed Network, a web application for monitoring the water quality at various watersheds in Nebraska

ASSOCIATION FOR COMPUTING MACHINERY (ACM) STUDENT CHAPTER AT UNO | Club President
Member Dec 2016 - Dec 2017, President Aug 2018 - May 2019 | Omaha, NE
- Organized technical talks by UNO faculty and short Lightning Talks by students
- Presented workshops on many topics, such as professional development, Arduino and RoboCode
- Hosted per-semester programming competitions for High-School and college students

PROJECTS

GAMEBOY EMULATOR
https://github.com/benkonz/gameboy_emulator
- Rust code designed to emulate the hardware of the original GameBoy, can be run as a desktop application and in a web browser through Web Assembly
- Able to efficiently emulate the GameBoy, rendering frames at 60 frames per second

BITSET CONTAINER | https://github.com/benkonz/BitsetContainer
- C++ Header-Only Library for providing container functionality to Bit Sets
- Useful for bit-level programming in hardware emulation and network bit streams