

NATHAN KARASCH

Software Engineer

1219 Harding Ave, Ames, IA 50010
(651) 472-2811
NathanKarasch@gmail.com

EDUCATION

BS in Software Engineering	3.98 GPA
Iowa State University, Ames, IA	May 2018
HVAC/R Level I - Electricity Advanced	4.0 GPA
Mayfield College, Twentynine Palms, CA	Nov 2013
AAS in Music Performance	3.94 GPA
McNally Smith College of Music, Saint Paul, MN	May 2007
High School Diploma (Valedictorian)	4.0 GPA
Central Lyon High School, Rock Rapids, IA	May 2005

EMPLOYMENT

Research Assistant	Iowa State University, Ames, IA
Mar 2017	Dec 2017
College Tech Spec Intern	Leidos, Eagan, MN
May 2017	Aug 2017
Software Engineering Intern	Workiva, Ames, IA
May 2016	Aug 2016
Software Engineering Intern	Workiva, Ames, IA
May 2015	Aug 2015
Infantry Rifleman	US Marine Corps
Feb 2009	Feb 2014
Showband Musician	Carnival Cruise Lines, Miami, FL
Oct 2007	Feb 2008



www.linkedin.com/in/nathankarasch



www.github.com/KrashLeviathan

EXPERIENCE

- Languages, tools, and frameworks used:
 - » JavaScript
 - » Java
 - » HTML, SCSS/CSS
 - » Google Dart
 - » Git / Svn
 - » MySQL
 - » REST / SOAP
 - » Php
 - » Bash
 - » Perl
 - » Angular2
 - » C / C++
 - » Python
 - » ANTLR
- Worked within:
 - » Agile development environments
 - » Continuous integration environment
 - » Frontend and Full Stack roles
- Founded Web Development Club in the fall of 2015.
- Unit leadership experience in the Marine Corps and as President/Treasurer of Web Development Club.
- Contracted by several professors to develop applications to facilitate their research.
- Participated in four separate HackISU events.
- Headed a cross-browser functionality testing project on my product team at Workiva.
- Headed a refactoring effort to abstract common code to be used by our feature team at Leidos.
- Relevant coursework taken thus far:
 - ComS 227 Intro to Object Oriented Programming
 - ComS 228 Intro to Data Structures
 - ComS 230 Discrete Computational Structures
 - ComS 309 Software Development Practices
 - ComS 311 Design & Analysis of Algorithms
 - ComS 319 Software Construction and User Interfaces
 - ComS 321 Intro to Computer Architecture and Machine-Level Programming
 - ComS 327 Advanced Programming Techniques
 - ComS 352 Intro to Operating Systems
 - ComS 363 Intro to Database Management Systems
 - ComS 435 Algorithms for Large Data Sets
 - ComS 477 Problem Solving Techniques for Applied Computer Science (audited)
 - SE 329 Software Project Management
 - SE 339 Software Architecture & Design
 - SE 342 Principles of Programming Languages
 - SE 417 Software Testing
 - SE 491 Senior Design Project
 - SE 494 SE Portfolio Development
 - CprE 281 Digital Logic with Verilog Design
 - STAT 330 Probability & Statistics for Computer Science