DAN VOLCHEK

danvnad@gmail.com

EDUCATION

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN   May 2019
  • Master of Computer Science – GPA: **3.96**/4.00

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN   May 2018
  • Bachelor of Science in Computer Science with High Honors
  • Major GPA: **3.94**/4.00 | Cumulative GPA: **3.83**/4.00

EXPERIENCE

AMAZON   Seattle, WA
Software Development Engineer Intern – AWS IoT 1-Click Team   May 2018 – Aug 2018
  • Owned development of website to manage, distribute, and run team's command line tools and scripts
  • Engaged and presented in design review meetings to ensure website resolved existing operational challenges
  • Employed modular UI generation and flexible permissions system to solve script usability and access issues
  • Created automated reporting to aggregate team's services uptime data to track progress against goals

TRADING TECHNOLOGIES   Chicago, IL
Software Engineering Intern   June 2017 – Aug 2017
  • Contributed to massively multithreaded C++ application critical to the firm's core product line
  • Added numerous features and enhancements to backend routing application from requirements
  • Increased application efficiency and error handling by optimizing and enhancing existing code
  • Worked with developers across different teams to identify and resolve potential problem areas

DEPARTMENT OF COMPUTER SCIENCE | University of Illinois   Champaign, IL
Undergraduate Teaching Assistant – CS461: Intro to Computer Security   Jan 2018 – May 2018
  • Held office hours daily to explain challenging concepts for course machine problems
  • Responded to specific student questions daily on online forum to clarify misunderstandings
  • Assisted in designing midterm and final exam questions, ensuring question rigor and fairness

DEPARTMENT OF COMPUTER SCIENCE | University of Illinois   Champaign, IL
Course Contributor – CS241: Systems Programming   Sept 2016 – May 2017
  • Selected for academic excellence in CS241: Systems Programming to help improve course
  • Created framework for automatic testing and grading of user submitted coding assignments

UCHICAGO MIDWEST ALGORITHMIC TRADING COMPETITION   Champaign, IL
Lead Software Developer – University of Illinois Team   Sept 2016 – May 2017
  • Implemented automated trading strategy and quantitative models for national trading competition
  • Led development of algorithms for market making options-on-futures and interest rate pairs trading

PROJECTS | GITHUB.COM/DANVOLCHEK

VIDEO GAME MODIFICATION DEVELOPMENT
  • Achieved 260,000+ total downloads of mods created for popular farming simulator game "Stardew Valley"

ANDROID DEVELOPMENT
  • Created campus assistant application to find and view routes between classes
  • Developed application to browse SVN repositories of classes in order to easily check grades

LANGUAGES

Proficient: C#, Python, C++, Java •   *Knowledgeable*: HTML, CSS, Javascript