

DAVID KREIS

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Education

Grinnell College, Grinnell, Iowa

Expected May 2018

Bachelor of Arts in Computer Science. GPA: 3.32/4.00

Relevant Coursework:

Algorithms & Object-Oriented Design, Imperative Problem Solving, Functional Problem Solving,
Operating Systems & Parallel Algorithms, Software Development Principles, Computer Networks,
Discrete Structures

Northfield High School, Northfield, Minnesota

June 2014

Highest Honor Graduate

AP Scholar with Distinction

Skills

Programming Languages: C, C++, Scheme, Java, Python, SQL

Software Applications: Microsoft Office, Eclipse, Xcode, GIMP, IDLE

Operating Systems: Windows, OS X, Linux

Natural Languages: English (Native), Spanish (Intermediate)

Experience

Technology Consultant, Grinnell College

September 2015 – Present

- Assisted users in connecting to network drives, network printing, and other troubleshooting issues.
- Reimaged college owned computers for student or faculty use.

Computer Specialist, HOT Geeks LLC, Northfield, MN

May 2015 – August 2016

- Diagnosing and repairing computers, networks, mobile devices, audio and video equipment.
- Managing shop independently, including technical work, invoicing, and finalizing work orders.
- Required great interpersonal communication in attentively working with end-users.
- Completing computer repairs and off-site tickets in a timely manner.
- Required critical thinking for over-the-phone diagnosis and repair.
- Coordinating and performing house calls, prepared for unique situations and solutions.
- Working daily with Microsoft, Apple, and Linux systems.

Student Publications and Radio Committee Treasurer, Grinnell College

September 2014 – May 2016

- Managed the allocation and use of \$250k/year by college publications and radio station.
- Conducted audits to ensure proper use of allocated funds.

Sport Program Supervisor, Northfield Community Services, Northfield, MN

June 2012 – August 2014

- Created a curriculum for leading programs to teach baseball, soccer, and ultimate Frisbee to elementary aged children.

Projects

Web Server Chatbot (Python)

May 2016

- Searches for keywords in user input to create a response mimicking Grinnell College's President.
- User chats are stored in a database; users can access their chat logs with a username and password.
- Program uses Tornado Web Server, SQLAlchemy, and BlitzDB

Iterated Prisoner's Dilemma Program (Java)

September 2015

- A program to participate in an Iterated Prisoner's Dilemma tournament.
- Program was designed to recognize patterns and select the optimal move based on the opponent's strategy.

Customizable Fantasy Football Draft Board (Python)

August 2014

- Designed to be projected in place of a whiteboard or large sticker board at in-person fantasy football drafts.
- Customizable and color coded, with additional features such as viewable on multiple devices in real time yet to come.