**DAVID KREIS**

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**Education**

**Grinnell College,** Grinnell, Iowa Expected May 2018

Bachelor of Arts in Computer Science

Relevant Coursework:

Algorithms & Object-Oriented Design; Imperative Problem Solving; Functional Problem Solving; Operating Systems & Parallel Algorithms; Computer Networks; Discrete Structures; Introduction to Data Science; Team Software Development; Automata, Formal Languages, and Computational Complexity

**Skills**

**Programing Languages:** Python, C, C++, Java, R, Scheme

**Software Applications:** Microsoft Office, Eclipse, RStudio, 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.

**Student Publications and Radio Committee Chair and Treasurer,** Grinnell College September 2014 – Present

- Managed the allocation and use of $250k/year by college publications and radio station.

- Conducted audits to ensure proper use of allocated funds.   
**Code Camp Counselor,** Grinnell, IA July 2017

- Led a week-long day camp teaching basic computer science skills to middle school children.

- Used Micro:bits to teach first with blocks, then moving on to Python.

- Supervised children during teaching activities, outdoor activities, and during meals.

**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.

- Strong interpersonal communication skills 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.

**Projects**

**Web Development (Javascript),** Carleton CollegeJune 2017 – July 2017

- Created data visualizations on Tree Ring Expeditions for the Science Education Resource Center (SERC) at Carleton.

- Wrote scripts in Python to automatically rearrange data into the correct format to use with Dygraphs.

**Grinnell Computer Science Job Board (Ruby, HTML, CSS)** Spring 2017

- Allows Grinnell CS alumni to post opportunities for undergraduates through a secure portal.

- Worked with a client to bring to life their vision for the project.

- Utilizes the Devise, recaptcha, and Ransack gems for secure user accounts, spam protection, and searching.

**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, AlchemyAPI, and BlitzDB