

DAVID KREIS

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Education

Grinnell College, Grinnell, Iowa

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, Ruby/Rails, 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 – May 2018

- 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 – May 2018

- 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 College

June 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/Rails, 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