

## MATTHEW KAISER

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**OBJECTIVE:** Software engineering or machine learning internship/job May 2018 using my computer systems and programming skills.

### Programming Languages

- Computer Skills and Proficiencies: Python; C; C++; x86 assembly; javascript; node.js; mongodb; Amazon Web Services

### EDUCATION

- University of Colorado at Boulder, Boulder, CO
  - BA in Computer Science expected in May 2018
  - Technical and Math Related Coursework: introductory programming; data structures; computer systems; calculus 1&2; systems and modeling; discrete math; experimental physics; physics 1&2; algorithms; software tools and development; operating systems; big data architecture; probability and statistics; human centered and professional computing; and data science team; artificial intelligence; applied machine learning
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### Project Highlights

- **a.littlebirdtold.me** – Mined tweets using GNIP with a query resulting in tweets with geotags and #hiring. Placed tweets on a global map using mapbox api to make a job search tool. Selected as top 3 project in Big Data Architecture class at the University of Colorado.
  - **[www.seecworks.org](http://www.seecworks.org)** – Created site using typeform, zapier, amazon web services, node.js, and express.js to help place supported individuals in jobs in the metro D.C. area.
  - **Outlier Detection** – Developed machine learning algorithm to ensure quality assurance in future tweets using python, scikit-learn, pandas, and numpy.
  - **Play by Play** – Developed software to process sports game film with opencv and ffmpeg in order to increase coaches' playback efficiency. Created as part of a team at the University of Minnesota's MinneHack competition.
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### EMPLOYMENT

#### SEEC, Silver Spring, MD

##### Application Developer Intern, June 2016-Present

- Created a web app for the company utilizing node.js, angularjs, mongodb, and amazon web services for dev ops
- Wrote technical documents and videos on Microsoft 365 for organization's employees
- Held multiple official trainings for groups of 6-10 employees and maintained on-site walk-in hours for direct technology assistance
- Removed viruses, repaired computers and created flow apps to enhance office productivity

#### Department of Computer Science, University of Colorado at Boulder, Boulder, CO

##### Computer Science Course Assistant, January 2017- Present

- Provide student assistance to prepare for grading interviews, write c and x86 assembly code, and learn gdb, the GNU debugger.

#### Penji Tutoring, Boulder, CO

##### Teacher, September 2017 -Present

- Tutor students in Physics, Calculus, and Computer Science courses -- one on one and in groups

