

# Isaac Cook

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## Projects

### SimpleCrypto Mining Pool 2014 to current

*Created a cryptocurrency mining pool from scratch, including an asynchronous mining server, web frontend, and an accounting system in Python. Managed automatically exchanging and paying out around a dozen currencies. Offered mining services with high uptime requirements.*

### Simpload 2003 to 2010

*Developed and operated a file hosting service in PHP. Peaks traffic loads of millions of requests a day.*

## Skills

### Languages

Python	●●●●●
HTML/CSS	●●●●●
PHP	●●●●○
Java	●●●○○
C/C++	●●●○○
JavaScript	●●●○○

### Technologies

Linux	●●●●○
Git	●●●●○
SQL	●●●●○
BASH	●●●●○
Bitcoin/Blockchain	●●●●○
SVN	●●○○○

### Software

Flask	●●●●●
SQLAlchemy	●●●●○
VIM	●●●●○
Eclipse	●●●○○
Bootstrap	●●●○○
Photoshop	●●●○○

## Education

### University of Kansas – Lawrence, KS 2011 to current

*Graduating Spring 2015 with a 3.2 GPA in Computer Science*

### Kansas Academy of Mathematics and Science (KAMS) Program – Hays, KS 2009 to 2011

*Attended Fort Hays State University for my final two years of high school and earned dual credit*

## Work Experience

### SDET on Microsoft Visual Studio Team Summer 2013

*worked with Visual Studio and C# to build automated testing tools*

### Internet Technology Intern at Propylon 2012 - 2014

*maintained production Python codebases and skunkworks*

### Software Development Intern at Assurant Employee Benefits 2011 - 2012

*created an online web interface for insurance purchasing with GWT and Java*

### Student iOS Developer 2010 to 2011

*created custom iOS applications for Fort Hays State University*

### Custom Web Interface Creation 2007

*designed a web interface to manage inventory for a local card shop in PHP*

## Achievements

### First Place at University of Kansas Cyber Defense Competition 2014

### First Place at Kansas State University Programming Competition 2008