

Noah Freed

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EXPERIENCE

Portland State University

Center for Electron Microscopy and Nanofabrication
Portland, OR

Software Developer/Programmer

September 2017 – Present

- Design and program an online electron microscope simulator using JavaScript
- Establish a secure web platform for users to learn microscopy and share research
- Manage MySQL and Mongo databases for 60+ user accounts with logs and contributions
- Lead the Center's workers in developing features, animations, and user interfaces

Pioneer Games Studio

Portland, OR

Game Designer/Programmer

January 2012 – Present

- Design and develop games, write rules, conduct tests, and gather feedback
- Create applications for web, Android, Linux, and Windows to share online

First Books/Solomon Exam Prep

Portland, OR

Editor/Researcher

July 2010 – June 2015

- Edited textbooks and practice questions for investment adviser and stockbroker exams
- Wrote 100+ alerts on securities regulations for website; wrote 1000+ practice questions
- Answered over 200 customer questions and received consistently positive feedback

Lewis & Clark College

Portland, OR

Psychology Researcher

June 2008 – August 2008

- Designed, ran, and analyzed experiment; presented at NOWCAM psychology conference

PROJECTS (Full portfolio at noahfreed.com)

Online Electron Microscopy Platform: <https://www.e-microscopy.org/> Sep 2017 – present

Online electron microscopy education software, including microscope simulators, lectures, interactive animations, quizzes, and an adjustable user interface, written in JavaScript

SeekOut: <https://github.com/Ensath/SeekOut>

Apr 2017 – Jun 2017

An exercise and exploration app for Android, written in Java using Android Studio

Shoku Online: <http://noahfreed.com/shoku.html>

Aug 2016 – Sep 2016

A web interface for playing an original two-person board game, written in JavaScript

SKILLS

Computer Languages: JavaScript, Python, HTML, CSS, SQL, C, C++, C#, Java, Bash, Scala, Haskell

Computer Tools: Git, Node, MongoDB, AWS, Unity, Excel, Linux, React, GIMP, machine learning

Language Skills: Japanese (5 years of experience)

EDUCATION

Portland State University

Portland, Oregon

Master of Science in Computer Science

GPA: 3.77 / 4.00

June 2017

Lewis & Clark College

Portland, Oregon

BA, Major: Psychology, Minor: Math

GPA: 3.49 / 4.00

May 2009

Honors: Psi Chi (Psych. Honor Society), Gaming Society President, Dean Scholarship, Dean's List