

PHILIP PRATER

Software Engineer

PROFILE

Software Engineer with a background in physical sciences, I am looking to start my career in software after going back to school for a career change. Over the last year, I've taken the time to gain new programming skills not covered in my formal education.

EDUCATION

Grad Prep Program | Portland State University

Years Attended: 9/2017 - 6/2019
(Equivalent to first 3 years of a B.S. in Computer Science)

B.S. Chemistry | Oregon State University

Years Attended: 9/2011 - 12/2015
Minor: Business and Entrepreneurship
Graduated Cum Laude

PROGRAMMING LANGUAGES

- Java
- Python
- C++
- Dart/Flutter
- TypeScript
- SQL

TOOLS & FRAMEWORKS

- Git/GitHub
- Various IDEs
- React
- Node
- Postgres
- Flask

CONTACT ME AT:

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Website: <https://www.philprater.com>

PERSONAL PROJECTS

Brew Notes App

Android app made with Flutter/Dart to help home-brewers keep organized notes on their phone. A user keeps track of different recipes (beer, cider, etc.) and can take notes on how different attempts at each recipe went, or log data such as daily temperature readings.

- Learned about passing state across multiple page components using packages like provider.

Spellbook App

Single page React/Typescript app meant to help players better manage their spells for playing 5th edition Dungeons and Dragons. Users set their class and level from a form, then the app queries an API and presents what spells can be used and some class-specific resources.

- Learned to use a new API
- Came across and practiced Typescript/React

Choose Your Own Adventure Game

Python command line game to refresh on various basics and the language itself. Reads a simple story from a .json file, loads an array of 'rooms' that have a description and options for a player, each option tells the player what happens as a result of being picked and provides the location of the next 'room' the player will move to as a result. The player also has an inventory that is used to determine if certain options are available in a room.

WORK EXPERIENCE

Shop Hand

Reimers & Jolivette Inc. | June 2011-March 2020

Independent Contractor

Amorphyx Inc. | July 2014-May 2015

Undergrad Research Assistant

Loveland Lab Group OSU | April 2013-June 2013

- Testing Resolution of the Fission Time Projection Chamber at Lawrence Livermore National Laboratory

INTERNSHIP/VOLUNTEER EXPERIENCE

Undergrad Research Assistant

Loesgen Lab Group OSU | Sept 2013-June 2014

- Natural Products Discovery, Analyzing Secondary Metabolites of Exotic Bacteria and Fungi

Summer Intern

PSU Saturday Academy/Reed College Research Reactor | June 2010-Aug 2010

- Prompt Gamma Neutron Activation Analysis