DMYTRO KURYLKO

Junior Python Developer

PROFILE

Born: 07.05.1993

CONTACT INFO

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SUMMARY OF QUALIFICATION

Created standalone "CamCurve" software. Software purpose is a calculation of a cam curve's profile for automotive switches. It is company awarded software.

Created a Web service "ForceCalc" using dynamic site processing and web framework Django.

I want to use my skills and abilities in complex projects on the backend position, being able to support the team, if necessary, in the frontend as well.

I aim to deepen my knowledge of standard Python3 libraries (asyncio etc.), Linux, AWS, machine learning.

HARD SKILLS

Python3. Understand basic principle of programming on Python, data structures. Have experience to work with classes, testing and debugging technics (asserts, exceptions etc.). Familiar with recursive approach, generators, iterators, decorators, searching and sorting algorithms, computational complexity O(n). Familiar with the following standard libs: re, enum, heapq, time, datetime, random, threading etc.

Django. Create models with many-to-many, one-to-many relations, register admin. Work with Django requests, function decorators, rendering html content, POST, GET, DELETE, PUT request methods with appropriate status code, admin forms etc.

JavaScript. Work with dynamic part of the application, UI principles, asynchronous usage of the functions (addEventListener, querySelector). Use fetch request with csrf token in headers without reloading a page. Had experience with a range of events such as mouse click, scrolling, mouse position, drawing on canvas.
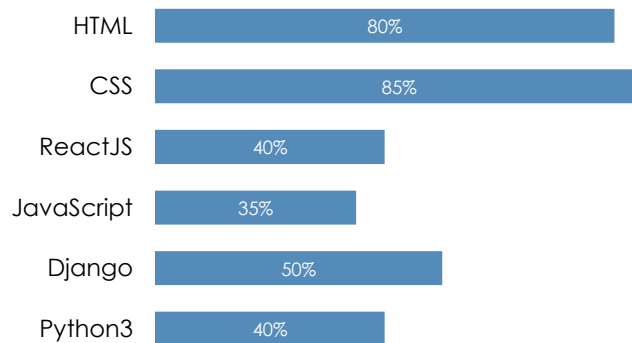
ReactJS. Create html content with styles. Initialize component state by using componentDidMount function.

CSS. Work with animations (@keyframes) and mobile responsiveness (@media), use Flexbox.

HTML. Create page structure by using a variety of elements.

Git. Work with GitHub Desktop. Familiar with GitHub Actions.

Skill	Level
HTML	80%
CSS	85%
ReactJS	40%
JavaScript	35%
Django	50%
Python3	40%

SOFT SKILLS

Driven by difficult tasks, proactive, self-motivated and purposeful, I gladly share the acquired skills with colleagues.

EXPERIENCE

CAE Engineer plastics
KOSTAL group
Apr 2018 – Present (3 years 7 months)
Kyiv City, Ukraine

Developed standalone Cam-curve tool (pptx).
Used technics: python, tkinter, numpy, oop, binary search algorithm, matplotlib, pandas, scipy.

Developed a Web-software "ForceCalc" (https://github.com/Dmytro-kur/ForceCalc) as a part of training (CS50's Web Programming with Python and JavaScript on edx.org). YouTube link: https://youtu.be/Js77Ek_Dyuw.
Used technics:
Python, JavaScript, HTML, CSS (@keyframes, @media), Django, SQLite, numpy, ReactJS, canvas, flexbox, fetch, bootstrap, json, Git, oop, djangp.test, GitHub Action.
I'm still working on this project thus it is available on localhost.

Achievements: https://github.com/Dmytro-kur/Achievements/tree/main/KOSTAL.

Mechanical Engineer
KOSTAL group
May 2017 – Apr 2018 (1 years)
Kyiv City, Ukraine

Mechanical Engineer
BruStyle
Mar 2016 – Jun 2016 (4 months)
Chernihiv Region, Ukraine

Mechanical Engineer
Group of companies MAGR
Aug 2015 – Feb 2016 (7 months)
Chernihiv, Ukraine

EDUCATION

Chernihiv National University of Technology
Master's degree:
01.09.2014 – 30.01.2016
Bachelor's degree:
01.09.2010 – 01.07.2014

Achievements: https://github.com/Dmytro-kur/Achievements/tree/main/Education.

ADDITIONAL SKILLS

edX courses:

CS50's Web Programming with Python and JavaScript

Capstone project was already submitted.
Certificate: will be soon.
Created maximum 5 minutes videos for all projects in YouTube channel.

6.00.1x: Introduction to Computer Science and Programing Using Python

Issued March 26, 2020
Certificate:
https://courses.edx.org/certificates/1ab5bfaaa9c54fcc9cabe2dda58a836c.

6.431x: Probability – The Science of Uncertainty and Data

Issued May 29, 2020
Certificate:
https://courses.edx.org/certificates/0bd250b131d64c1ebd6b43a4cf3e6867.

18.6501x: Fundamentals of Statistics

Issued September 23, 2020
Certificate:
https://courses.edx.org/certificates/dc91c194cbe744fa8a33f6b35ca04968.

KNOWLEDGE OF LANGUAGES

English - intermediate level.