

个人简历

求职意向：软件开发工程师
Personal Resume

基本信息

姓名：田宇 出生年月：1998.06
电话：15247109836 学历：硕士
邮箱：tian_yu1998@163.com 住址：内蒙古呼和浩特市



教育背景

2021.09~2022.12 **香港大学 (在读)** **Computer Science (硕士)**
在校成绩：3.92/4.3 (计算机系前 5%)
核心课程：高级数据库系统，机器学习，深度学习，数据挖掘，可视化与可视化分析，大数据管理等

2017.09~2021.07 **北京交通大学** **计算机科学与技术 (本科)**
在校成绩：88.5/100 (专业前 10%)
核心课程：数据结构，操作系统，高级程序语言设计，数据库技术，操作系统，软件开发，编译原理等
主要荣誉：北京市普通高等学校优秀毕业设计，北京交通大学优秀毕业设计，北京交通大学优秀毕业生，北京交通大学三好学生，北京交通大学一等、三等学习优秀奖学金

实习经历

2020.06-2020.08 **内蒙古金财科技有限公司** **软件开发实习生**

项目描述：
提供企业内部发票查验真伪记录等功能，便于企业财务人员管理，查询账务流水。系统与国家发票查验平台直接对接，确保结果的真实性与可靠性。(技术工具：Vue.js, Spring Boot, PostgreSQL)

工作描述：

- 负责发票查验系统的全栈开发。
- 实现后端接口以及前端网页逻辑，完成前后端的交互逻辑，并根据项目计划书不断改进优化，提高性能。
- 利用计算机视觉与图像处理相关技术，对发票的二维码进行提取，增强以及识别，提高识别的准确性。
- 与国家票据查验平台进行对接，使用 OCR 相关技术，实现对票据真伪的验证工作。

项目成果：

- 系统已成功上线内蒙古金财科技有限公司“行政及事业单位”产品模块，便于企业财务人员管理票据。

项目经历

基于 OCR 的数学公式识别 (毕业设计) **2020.10-2021.04**

项目描述：
使用计算机视觉以及图像分割的相关算法，对印刷体数学复杂公式进行识别，并将结果转为 LaTeX 输出。使用谷歌开源 OCR 框架 Tesseract OCR 进行训练以及识别，使用编译原理等技术进行公式语言分析，最后集成算法与 Web 系统中。

项目职责：

- 利用 Vue.js, Django, MySQL 等框架完成项目的全栈设计。
- 利用投影法，连通域法等方法实现公式字符树形分割，创建公式识别字库，最终识别准确率可达 80%。
- 利用 SVM 等技术实现手写数字的识别，并将功能集成为口算自动纠错打分，试卷分数统计等智慧教育系统的功能，运行效果良好。

项目荣誉：

- 获得北京市普通高等学校优秀毕业设计，北京交通大学优秀毕业设计(专业唯一)。

校园经历

英国交通事故可视化系统

2021.10-2021.12

项目描述:

使用 UK GOV 开源数据集, 对英国 2005 年至 2015 年的交通事故进行可视化。系统基于 ECharts.js 以及 ElementUI 组件, 实现了高交互性, 高水平的可视化系统。

项目职责:

- 担任该项目的组长, 负责系统的立项, 进度把控等。
- 负责项目前端整体页面的实现, 以及各可视化组件的实现。
- 对于数据库部分结构进行设计, 简化数据表格, 优化查询速度。

项目成果:

通过云服务器进行部署, 项目 demo 连接: <https://www.bilibili.com/video/BV1VT4y1y7Eo>

基于 JSFML 的 2.5D 游戏设计 (原创项目)

2019.10-2020.06

项目职责:

- 担任项目组长, 除了日常任务分工及成果核查外, 完成了 60% 项目开发。
- 负责人物基本逻辑设计与实现, 打斗场景逻辑, NPC 交互逻辑, 数据库设计与实现。

项目成果:

- 完整的 2.5D 游戏, 项目 demo 链接: <https://b23.tv/5PFYnu>。

新型冠状病毒肺炎实时可视化系统

2020.03-2020.06

项目职责:

- 担任项目组组长, 根据项目进行分工, 实时把控项目进度。
- 后端 Spring Boot 接口开发与实现, 使用 JDBC 操作数据库文件, 前端可视化部分实现。

项目成果:

- 项目通过云服务器部署, 项目 demo 链接: <https://v.qq.com/x/page/h095911d9yc.html>。

助教经历

2018.03-2018.07

北京交通大学

大学物理助教

- 协助老师完成学生的作业辅导及批改, 以及对学生的 ([1] 问题进行答疑。

2021.03-2021.07

北京交通大学

Python 程序语言设计/分组项目

- 负责协助老师完成实验课的助教任务, 帮助学生完成实操训练, 并对 ([1] ([2] ([3] ([4] ([5] ([6] ([7] ([8] ([9] ([10] ([11] ([12] ([13] ([14] ([15] ([16] ([17] ([18] ([19] ([20] ([21] ([22] ([23] ([24] ([25] ([26] ([27] ([28] ([29] ([30] ([31] ([32] ([33] ([34] ([35] ([36] ([37] ([38] ([39] ([40] ([41] ([42] ([43] ([44] ([45] ([46] ([47] ([48] ([49] ([50] ([51] ([52] ([53] ([54] ([55] ([56] ([57] ([58] ([59] ([60] ([61] ([62] ([63] ([64] ([65] ([66] ([67] ([68] ([69] ([70] ([71] ([72] ([73] ([74] ([75] ([76] ([77] ([78] ([79] ([80] ([81] ([82] ([83] ([84] ([85] ([86] ([87] ([88] ([89] ([90] ([91] ([92] ([93] ([94] ([95] ([96] ([97] ([98] ([99] ([100] ([101] ([102] ([103] ([104] ([105] ([106] ([107] ([108] ([109] ([110] ([111] ([112] ([113] ([114] ([115] ([116] ([117] ([118] ([119] ([120] ([121] ([122] ([123] ([124] ([125] ([126] ([127] ([128] ([129] ([130] ([131] ([132] ([133] ([134] ([135] ([136] ([137] ([138] ([139] ([140] ([141] ([142] ([143] ([144] ([145] ([146] ([147] ([148] ([149] ([150] ([151] ([152] ([153] ([154] ([155] ([156] ([157] ([158] ([159] ([160] ([161] ([162] ([163] ([164] ([165] ([166] ([167] ([168] ([169] ([170] ([171] ([172] ([173] ([174] ([175] ([176] ([177] ([178] ([179] ([180] ([181] ([182] ([183] ([184] ([185] ([186] ([187] ([188] ([189] ([190] ([191] ([192] ([193] ([194] ([195] ([196] ([197] ([198] ([199] ([200] ([201] ([202] ([203] ([204] ([205] ([206] ([207] ([208] ([209] ([210] ([211] ([212] ([213] ([214] ([215] ([216] ([217] ([218] ([219] ([220] ([221] ([222] ([223] ([224] ([225] ([226] ([227] ([228] ([229] ([230] ([231] ([232] ([233] ([234] ([235] ([236] ([237] ([238] ([239] ([240] ([241] ([242] ([243] ([244] ([245] ([246] ([247] ([248] ([249] ([250] ([251] ([252] ([253] ([254] ([255] ([256] ([257] ([258] ([259] ([260] ([261] ([262] ([263] ([264] ([265] ([266] ([267] ([268] ([269] ([270] ([271] ([272] ([273] ([274] ([275] ([276] ([277] ([278] ([279] ([280] ([281] ([282] ([283] ([284] ([285] ([286] ([287] ([288] ([289] ([290] ([291] ([292] ([293] ([294] ([295] ([296] ([297] ([298] ([299] ([300] ([301] ([302] ([303] ([304] ([305] ([306] ([307] ([308] ([309] ([310] ([311] ([312] ([313] ([314] ([315] ([316] ([317] ([318] ([319] ([320] ([321] ([322] ([323] ([324] ([325] ([326] ([327] ([328] ([329] ([330] ([331] ([332] ([333] ([334] ([335] ([336] ([337] ([338] ([339] ([340] ([341] ([342] ([343] ([344] ([345] ([346] ([347] ([348] ([349] ([350] ([351] ([352] ([353] ([354] ([355] ([356] ([357] ([358] ([359] ([360] ([361] ([362] ([363] ([364] ([365] ([366] ([367] ([368] ([369] ([370] ([371] ([372] ([373] ([374] ([375] ([376] ([377] ([378] ([379] ([380] ([381] ([382] ([383] ([384] ([385] ([386] ([387] ([388] ([389] ([390] ([391] ([392] ([393] ([394] ([395] ([396] ([397] ([398] ([399] ([400] ([401] ([402] ([403] ([404] ([405] ([406] ([407] ([408] ([409] ([410] ([411] ([412] ([413] ([414] ([415] ([416] ([417] ([418] ([419] ([420] ([421] ([422] ([423] ([424] ([425] ([426] ([427] ([428] ([429] ([430] ([431] ([432] ([433] ([434] ([435] ([436] ([437] ([438] ([439] ([440] ([441] ([442] ([443] ([444] ([445] ([446] ([447] ([448] ([449] ([450] ([451] ([452] ([453] ([454] ([455] ([456] ([457] ([458] ([459] ([460] ([461] ([462] ([463] ([464] ([465] ([466] ([467] ([468] ([469] ([470] ([471] ([472] ([473] ([474] ([475] ([476] ([477] ([478] ([479] ([480] ([481] ([482] ([483] ([484] ([485] ([486] ([487] ([488] ([489] ([490] ([491] ([492] ([493] ([494] ([495] ([496] ([497] ([498] ([499] ([500] ([501] ([502] ([503] ([504] ([505] ([506] ([507] ([508] ([509] ([510] ([511] ([512] ([513] ([514] ([515] ([516] ([517] ([518] ([519] ([520] ([521] ([522] ([523] ([524] ([525] ([526] ([527] ([528] ([529] ([530] ([531] ([532] ([533] ([534] ([535] ([536] ([537] ([538] ([539] ([540] ([541] ([542] ([543] ([544] ([545] ([546] ([547] ([548] ([549] ([550] ([551] ([552] ([553] ([554] ([555] ([556] ([557] ([558] ([559] ([560] ([561] ([562] ([563] ([564] ([565] ([566] ([567] ([568] ([569] ([570] ([571] ([572] ([573] ([574] ([575] ([576] ([577] ([578] ([579] ([580] ([581] ([582] ([583] ([584] ([585] ([586] ([587] ([588] ([589] ([590] ([591] ([592] ([593] ([594] ([595] ([596] ([597] ([598] ([599] ([600] ([601] ([602] ([603] ([604] ([605] ([606] ([607] ([608] ([609] ([610] ([611] ([612] ([613] ([614] ([615] ([616] ([617] ([618] ([619] ([620] ([621] ([622] ([623] ([624] ([625] ([626] ([627] ([628] ([629] ([630] ([631] ([632] ([633] ([634] ([635] ([636] ([637] ([638] ([639] ([640] ([641] ([642] ([643] ([644] ([645] ([646] ([647] ([648] ([649] ([650] ([651] ([652] ([653] ([654] ([655] ([656] ([657] ([658] ([659] ([660] ([661] ([662] ([663] ([664] ([665] ([666] ([667] ([668] ([669] ([670] ([671] ([672] ([673] ([674] ([675] ([676] ([677] ([678] ([679] ([680] ([681] ([682] ([683] ([684] ([685] ([686] ([687] ([688] ([689] ([690] ([691] ([692] ([693] ([694] ([695] ([696] ([697] ([698] ([699] ([700] ([701] ([702] ([703] ([704] ([705] ([706] ([707] ([708] ([709] ([710] ([711] ([712] ([713] ([714] ([715] ([716] ([717] ([718] ([719] ([720] ([721] ([722] ([723] ([724] ([725] ([726] ([727] ([728] ([729] ([730] ([731] ([732] ([733] ([734] ([735] ([736] ([737] ([738] ([739] ([740] ([741] ([742] ([743] ([744] ([745] ([746] ([747] ([748] ([749] ([750] ([751] ([752] ([753] ([754] ([755] ([756] ([757] ([758] ([759] ([760] ([761] ([762] ([763] ([764] ([765] ([766] ([767] ([768] ([769] ([770] ([771] ([772] ([773] ([774] ([775] ([776] ([777] ([778] ([779] ([780] ([781] ([782] ([783] ([784] ([785] ([786] ([787] ([788] ([789] ([790] ([791] ([792] ([793] ([794] ([795] ([796] ([797] ([798] ([799] ([800] ([801] ([802] ([803] ([804] ([805] ([806] ([807] ([808] ([809] ([810] ([811] ([812] ([813] ([814] ([815] ([816] ([817] ([818] ([819] ([820] ([821] ([822] ([823] ([824] ([825] ([826] ([827] ([828] ([829] ([830] ([831] ([832] ([833] ([834] ([835] ([836] ([837] ([838] ([839] ([840] ([841] ([842] ([843] ([844] ([845] ([846] ([847] ([848] ([849] ([850] ([851] ([852] ([853] ([854] ([855] ([856] ([857] ([858] ([859] ([860] ([861] ([862] ([863] ([864] ([865] ([866] ([867] ([868] ([869] ([870] ([871] ([872] ([873] ([874] ([875] ([876] ([877] ([878] ([879] ([880] ([881] ([882] ([883] ([884] ([885] ([886] ([887] ([888] ([889] ([890] ([891] ([892] ([893] ([894] ([895] ([896] ([897] ([898] ([899] ([900] ([901] ([902] ([903] ([904] ([905] ([906] ([907] ([908] ([909] ([910] ([911] ([912] ([913] ([914] ([915] ([916] ([917] ([918] ([919] ([920] ([921] ([922] ([923] ([924] ([925] ([926] ([927] ([928] ([929] ([930] ([931] ([932] ([933] ([934] ([935] ([936] ([937] ([938] ([939] ([940] ([941] ([942] ([943] ([944] ([945] ([946] ([947] ([948] ([949] ([950] ([951] ([952] ([953] ([954] ([955] ([956] ([957] ([958] ([959] ([960] ([961] ([962] ([963] ([964] ([965] ([966] ([967] ([968] ([969] ([970] ([971] ([972] ([973] ([974] ([975] ([976] ([977] ([978] ([979] ([980] ([981] ([982] ([983] ([984] ([985] ([986] ([987] ([988] ([989] ([990] ([991] ([992] ([993] ([994] ([995] ([996] ([997] ([998] ([999] ([1000] ([1001] ([1002] ([1003] ([1004] ([1005] ([1006] ([1007] ([1008] ([1009] ([1010] ([1011] ([1012] ([1013] ([1014] ([1015] ([1016] ([1017] ([1018] ([1019] ([1020] ([1021] ([1022] ([1023] ([1024] ([1025] ([1026] ([1027] ([1028] ([1029] ([1030] ([1031] ([1032] ([1033] ([1034] ([1035] ([1036] ([1037] ([1038] ([1039] ([1040] ([1041] ([1042] ([1043] ([1044] ([1045] ([1046] ([1047] ([1048] ([1049] ([1050] ([1051] ([1052] ([1053] ([1054] ([1055] ([1056] ([1057] ([1058] ([1059] ([1060] ([1061] ([1062] ([1063] ([1064] ([1065] ([1066] ([1067] ([1068] ([1069] ([1070] ([1071] ([1072] ([1073] ([1074] ([1075] ([1076] ([1077] ([1078] ([1079] ([1080] ([1081] ([1082] ([1083] ([1084] ([1085] ([1086] ([1087] ([1088] ([1089] ([1090] ([1091] ([1092] ([1093] ([1094] ([1095] ([1096] ([1097] ([1098] ([1099] ([1100] ([1101] ([1102] ([1103] ([1104] ([1105] ([1106] ([1107] ([1108] ([1109] ([1110] ([1111] ([1112] ([1113] ([1114] ([1115] ([1116] ([1117] ([1118] ([1119] ([1120] ([1121] ([1122] ([1123] ([1124] ([1125] ([1126] ([1127] ([1128] ([1129] ([1130] ([1131] ([1132] ([1133] ([1134] ([1135] ([1136] ([1137] ([1138] ([1139] ([1140] ([1141] ([1142] ([1143] ([1144] ([1145] ([1146] ([1147] ([1148] ([1149] ([1150] ([1151] ([1152] ([1153] ([1154] ([1155] ([1156] ([1157] ([1158] ([1159] ([1160] ([1161] ([1162] ([1163] ([1164] ([1165] ([1166] ([1167] ([1168] ([1169] ([1170] ([1171] ([1172] ([1173] ([1174] ([1175] ([1176] ([1177] ([1178] ([1179] ([1180] ([1181] ([1182] ([1183] ([1184] ([1185] ([1186] ([1187] ([1188] ([1189] ([1190] ([1191] ([1192] ([1193] ([1194] ([1195] ([1196] ([1197] ([1198] ([1199] ([1200] ([1201] ([1202] ([1203] ([1204] ([1205] ([1206] ([1207] ([1208] ([1209] ([1210] ([1211] ([1212] ([1213] ([1214] ([1215] ([1216] ([1217] ([1218] ([1219] ([1220] ([1221] ([1222] ([1223] ([1224] ([1225] ([1226] ([1227] ([1228] ([1229] ([1230] ([1231] ([1232] ([1233] ([1234] ([1235] ([1236] ([1237] ([1238] ([1239] ([1240] ([1241] ([1242] ([1243] ([1244] ([1245] ([1246] ([1247] ([1248] ([1249] ([1250] ([1251] ([1252] ([1253] ([1254] ([1255] ([1256] ([1257] ([1258] ([1259] ([1260] ([1261] ([1262] ([1263] ([1264] ([1265] ([1266] ([1267] ([1268] ([1269] ([1270] ([1271] ([1272] ([1273] ([1274] ([1275] ([1276] ([1277] ([1278] ([1279] ([1280] ([1281] ([1282] ([1283] ([1284] ([1285] ([1286] ([1287] ([1288] ([1289] ([1290] ([1291] ([1292] ([1293] ([1294] ([1295] ([1296] ([1297] ([1298] ([1299] ([1300] ([1301] ([1302] ([1303] ([1304] ([1305] ([1306] ([1307] ([1308] ([1309] ([1310] ([1311] ([1312] ([1313] ([1314] ([1315] ([1316] ([1317] ([1318] ([1319] ([1320] ([1321] ([1322] ([1323] ([1324] ([1325] ([1326] ([1327] ([1328] ([1329] ([1330] ([1331] ([1332] ([1333] ([1334] ([1335] ([1336] ([1337] ([1338] ([1339] ([1340] ([1341] ([1342] ([1343] ([1344] ([1345] ([1346] ([1347] ([1348] ([1349] ([1350] ([1351] ([1352] ([1353] ([1354] ([1355] ([1356] ([1357] ([1358] ([1359] ([1360] ([1361] ([1362] ([1363] ([1364] ([1365] ([1366] ([1367] ([1368] ([1369] ([1370] ([1371] ([1372] ([1373] ([1374] ([1375] ([1376] ([1377] ([1378] ([1379] ([1380] ([1381] ([1382] ([1383] ([1384] ([1385] ([1386] ([1387] ([1388] ([1389] ([1390] ([1391] ([1392] ([1393] ([1394] ([1395] ([1396] ([1397] ([1398] ([1399] ([1400] ([1401] ([1402] ([1403] ([1404] ([1405] ([1406] ([1407] ([1408] ([1409] ([1410] ([1411] ([1412] ([1413] ([1414] ([1415] ([1416] ([1417] ([1418] ([1419] ([1420] ([1421] ([1422] ([1423] ([1424] ([1425] ([1426] ([1427] ([1428] ([1429] ([1430] ([1431] ([1432] ([1433] ([1434] ([1435] ([1436] ([1437] ([1438] ([1439] ([1440] ([1441] ([1442] ([1443] ([1444] ([1445] ([1446] ([1447] ([1448] ([1449] ([1450] ([1451] ([1452] ([1453] ([1454] ([1455] ([1456] ([1457] ([1458] ([1459] ([1460] ([1461] ([1462] ([1463] ([1464] ([1465] ([1466] ([1467] ([1468] ([1469] ([1470] ([1471] ([1472] ([1473] ([1474] ([1475] ([1476] ([1477] ([1478] ([1479] ([1480] ([1481] ([1482] ([1483] ([1484] ([1485] ([1486] ([1487] ([1488] ([1489] ([1490] ([1491] ([1492] ([1493] ([1494] ([1495] ([1496] ([1497] ([1498] ([1499] ([1500] ([1501] ([1502] ([1503] ([1504] ([1505] ([1506] ([1507] ([1508] ([1509] ([1510] ([1511] ([1512] ([1513] ([1514] ([1515] ([1516] ([1517] ([1518] ([1519] ([1520] ([1521] ([1522] ([1523] ([1524] ([1525] ([1526] ([1527] ([1528] ([1529] ([1530] ([1531] ([1532] ([1533] ([1534] ([1535] ([1536] ([1537] ([1538] ([1539] ([1540] ([1541] ([1542] ([1543] ([1544] ([1545] ([1546] ([1547] ([1548] ([1549] ([1550] ([1551] ([1552] ([1553] ([1554] ([1555] ([1556] ([1557] ([1558] ([1559] ([1560] ([1561] ([1562] ([1563] ([1564] ([1565] ([1566] ([1567] ([1568] ([1569] ([1570] ([1571] ([1572] ([1573] ([1574] ([1575] ([1576] ([1577] ([1578] ([1579] ([1580] ([1581] ([1582] ([1583] ([1584] ([1585] ([1586] ([1587] ([1588] ([1589] ([1590] ([1591] ([1592] ([1593] ([1594] ([1595] ([1596] ([1597] ([1598] ([1599] ([1600] ([1601] ([1602] ([1603] ([1604] ([1605] ([1606] ([1607] ([1608] ([1609] ([1610] ([1611] ([1612] ([1613] ([1614] ([1615] ([1616] ([1617] ([1618] ([1619] ([1620] ([1621] ([1622] ([1623] ([1624] ([1625] ([1626] ([1627] ([1628] ([1629] ([1630] ([1631] ([1632] ([1633] ([1634] ([1635] ([1636] ([1637] ([1638] ([1639] ([1640] ([1641] ([1642] ([1643] ([1644] ([1645] ([1646] ([1647] ([1648] ([1649] ([1650] ([1651] ([1652] ([1653] ([1654] ([1655] ([1656] ([1657] ([1658] ([1659] ([1660] ([1661] ([1662] ([1663] ([1664] ([1665] ([1666] ([1667] ([1668] ([1669] ([1670] ([1671] ([1672] ([1673] ([1674] ([1675] ([1676] ([1677] ([1678] ([1679] ([1680] ([1681] ([1682] ([1683] ([1684] ([1685] ([1686] ([1687] ([1688] ([1689] ([1690] ([1691] ([1692] ([1693] ([1694] ([1695] ([1696] ([1697] ([1698] ([1699] ([1700] ([1701]