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| **Yuwei Chu**  **Jiaxing, Zhejiang 314200**  **Tel: 17326088702 | E-mail: 953084091@qq.com** |  |  |
| **Objective**  Software Engineer | | |
| **Educational Background** | | |
| 2016.09-present **ZHEJIANG UNIVERSITY Master of** **Computer Graphic** | | |
| 2012.09-2016.8 **NORTHEAST UNIVERSITY**  **Bachelor of** **Software Engineering** | | |
| **Project Experience** | | |
| * **2018.7 - now** **Intern, Tencent**  **Technical study**   Research about the delta update algorithm to accelerate update, including BSDIFFPATCH and HDIFFPATCH.  Research about the compression algorithm to accelerate decompression, including BZ2, ZSTD and LIBSLZ.   * **2017.10-2018.3** **Intern, Graphicchina** **C++ R&D Engineer** | | |
| Developed a 3D body measure system which had some basic measures for the 3D mesh models.  Responsible for the improvement of picking points, the implementation of the length of geodesic, cutting line and convex hull. | | |
| * **2016.08-2017.08** **Dental Digital 3D System for Mesh Model C++**   Designed and implemented an automatic feature detection algorithm of dental based on DBSCAN and K-means Hybrid clustering algorithm.  Implemented a mesh repairing algorithm of dental by fitting the missing points in every level.  Designed and implemented an undercut detection algorithm of dental by judging the intersection angel between normal vector and the direction of wearing.  Organized two papers as co-author. | | |
| **Activities** | | |
| 2016.09-2017.03 Member of the Zhejiang University College Student Union  2013.09-2014.06 Head of the mathematical modeling community | | |
| **Achievement** | | |
| * **Papers**   Automatic Feature Detection Algorithm of Dental Based on DBSCAN and K-Means Hybrid Clustering Algorithm. CAD&CG(2017) (EI)   * **Patent**   Automatic Feature Detection Algorithm of Dental Based on the Local Coordinate.   * **Awards**   2017-2018 Outstanding Postgraduate Student of Zhejiang University  2015-2016 Outstanding Graduates of Northeast University  2013-2014 MCM Honorable Mention  2013-2014 Second Price Scholarship of Northeast University | | |
| **Basic Skills** | | |
| CET6-446.  Familiar with C++, OpenGL and QT.  Know Java.  Know Meshlab and VS 2013 | | |
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