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Klint Qinami

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Education

Princeton University, Ph.D. student in Computer Science — Princeton, N.J.
Research Interests: Computer Vision and Robotics, Geometry Processing — Sep. 2018 – Present

Columbia University, S.E.A.S., B.S. in Computer Science — New York City, N.Y.
Minor in Applied Mathematics; Graduated Cum Laude; G.P.A.: 3.86 — Sep. 2014 – May 2018

Professional Experience

Columbia Computer Graphics Group — New York City, N.Y.
Undergraduate Researcher — Jun. 2016 – May 2018

- **Research**: Conducted research in geometry processing, physically-based animation, and discrete differential geometry. Collaborated with Professor Eitan Grinspun.
- **Curriculum**: Assisted Professor Alec Jacobson in designing the curriculum for a new class on geometry processing. Created homework assignments and exams. Implemented research papers.

Institute of Science and Technology Austria — Klosterneuburg, Austria
Undergraduate Research Intern — Jun. 2017 – Aug. 2017

- **Research**: Developed new geometric techniques for fracture simulation, advised by Prof. Chris Wojtan and Dr. David Hahn.
- **Meetings**: Attended weekly meetings of the visual computing group and discussed research papers.

Department of Physics, Columbia University — New York City, N.Y.
Lab Assistant — Sep. 2014 – Jun. 2016

- **Software**: Developed software for the Quantum Hall Effect lab for the Advanced Physics Lab [PHYS 3081, 4051]. Made software portable to a Raspberry Pi, reducing cost and increasing portability.
- **Machine Shop**: Received training to use the equipment in the machine shop, including mills, lathes, drill presses, and bandsaws. Built new apparatus to display physical principles. Repaired existing apparatus.

Columbia Spectator — New York City, N.Y.
Data Analyst — Sep. 2015 – Dec. 2015

- **Data Processing**: Scraped viewership metrics from newspaper website using a combination of Python scripts, Facebook Insights, and Google Analytics.
- **Presentations**: Created bi-weekly, statistics-based presentations to summarize, analyze, and predict the success of articles.

Teaching Assistant

Columbia University

`[MATH 2010]` Linear Algebra — Jan. 2018 – May 2018
`[COMS 4167]` Computer Animation — Sep. 2017 – Dec. 2017
`[COMS 4995]` Digital Geometry Processing — Jan. 2017 – May 2017
`[COMS 3203]` Intro to Combinatorics and Graph Theory — Sep. 2016 – Dec. 2016

Academic Honors

Thompson-Muñoz Scholar
Tau Beta Pi, Engineering Honors Society
Dean's List of Distinguished Students, all semesters

Programming Skills

Languages: C, C++, Java, OCaml, Python, HTML, Javascript, SQL, LaTeX
Technologies: Git, TensorFlow, Torch, Mathematica, Libigl, Linux, OSX, Pre-form