

Stanford

Alexander Root

Ph.D. Student in Computer Science, admitted Autumn 2022

Publications

PUBLICATIONS

- **Fast Instruction Selection for Fast Digital Signal Processing**
Root, A. J., Ahmad, M., Sharlet, D., Adams, A., Kamil, S., Ragan-Kelley, J., Aamodt, T. M., Jerger, N. E., Swift, M.
ASSOC COMPUTING MACHINERY.2023: 125-137
- **Vector Instruction Selection for Digital Signal Processors using Program Synthesis**
Ahmad, M., Root, A. J., Adams, A., Kamil, S., Cheung, A., Falsafi, B., Ferdman, M., Lu, S., Weinisch, T.
ASSOC COMPUTING MACHINERY.2022: 1004-1016