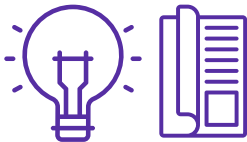## Programming

Adalbert Raj Jingash Patel

BEST KNOWN FOR

Investigating the effectiveness of live coding as a teaching tool

Bio in Brief

Raj and Patel, Two computer programming lecturers at the University of Wisconsin in conjunction with Halverston and Halverston from Curriculum and Instruction and Educational Leadership departments built upon the work of Rubin before them and investigated how effective an instructive tool live coding is. Live coding actually has its origins in musical performance where musicians would alter the programming functionality of electronic instruments in real-time to produce performance pieces. This in itself grew out of the Demo and cracking scene of the 80's and 90's as home computers allowed creative programmers freedom to express themselves

Important Literature Links

Raj, A.G.S., Patel, J.M., Halverson, R. and Halverson, E.R. (2018). Role of Live-coding in Learning Introductory Programming, Proceedings of the 18th Koli Calling International Conference on Computing Education Research - Koli Calling '18. [online] doi:https://doi.org/10.1145/3279720.3279725.

Rubin, M. J. (2013). The effectiveness of live-coding to teach introductory programming. Proceeding of the 44th ACM technical symposium on Computer science education - SIGCSE '13. doi:https://doi.org/10.1145/2445196.2445388.