

Kaleb Osiel Alanis

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Education	<p>The University of Texas at Austin Bachelor of Science in Computer Science</p> <ul style="list-style-type: none">• GPA: 3.68• Expected Graduation Date: May 2017
Experience	<p>TIP Mentor, The University of Texas at Austin — August 2014 - Present <i>Responsibilities</i></p> <ul style="list-style-type: none">• Promote academic success and facilitate the transition to incoming students• Formulate lesson plans for group meetings and coach 12+ freshman in their academic and professional progress• Foster universal CS skills in incoming freshman who lack programming experience <p>Undergraduate Researcher, The University of Texas at Austin — September 2013-2014 <i>Responsibilities</i></p> <ul style="list-style-type: none">• Discover applications for Computational Intelligence paradigms in video game design and development• Research paradigms and master algorithms in the growing field of Artificial Intelligence
Skills	<p>Proficient in:</p> <ul style="list-style-type: none">• C/C++, Java/Android, Python/Flask• Microsoft Office• Applied Mathematics <p>Experience with:</p> <ul style="list-style-type: none">• HTML/CSS/JavaScript• Artificial/Computational Intelligence, Neural Networks, Deep Learning• Game/Graphics Programming <p>Relevant Coursework:</p> <ul style="list-style-type: none">• Differential, Integral, Multivariable, Vector Calculus, Differential Equations• Data Structures, Computer Architecture, Operating Systems, Object-Oriented Programming• Algorithms and Complexity, Android Development, Software Engineering• Matrices/Matrix Computation, Statistics and Probability, Numerical Methods
Projects	<ul style="list-style-type: none">• GoalazoStats - Co-created a Soccer RESTful API and Website written in Flask, AngularJS, and PostgreSQL.• Oort - Implemented Real-Time Mesh Slicing in a 3D Asteroids Game in C++ and Ogre3d• Boids - A graphical flocking simulation written in C++ and OpenGL• kalebalanis.com - Personal Blog and Website served with Flask and SQLite backend
Community/ Awards	<ul style="list-style-type: none">• University Honors, TIP Scholar, Freshman Research Initiative• TIP Scholarship, Tracor/Frank McBee, Jr. Endowed Scholarship