

David McPeck

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EDUCATION	<i>Bachelor of Science, Computer Science</i> (expected December 2016) Yale University, New Haven, CT Cumulative GPA: 3.55
EXPERIENCE	<div><div><i>Bioinformatics Research Assistant</i> Gerstein Lab at Yale</div><div>April 2015 - August 2015</div><ul style="list-style-type: none">Created a Java package whose classes analyzed the distribution of ribosome footprint alignments. The package will be used at the Yale Gerstein Lab to identify which transcripts a footprint read belongs to, which improves the accuracy of alignment data.</div> <div><div><i>CS50 at Yale Teaching Assistant</i> Yale University Computer Science Department</div><div>April 2015 - December 2015</div><ul style="list-style-type: none">Currently leading a section of the first implementation of CS50 at Yale, the first ever joint Harvard-Yale introductory computer science course.Coordinating the first winter recess Coding Bootcamp at Yale, where CS students will receive mentorship from technology professionals and entrepreneurs.</div> <div><div><i>Web Development Intern</i> Digital Surgeons</div><div>September 2014 - December 2014</div><ul style="list-style-type: none">Created the landing page for Nugo Nutrition's "real dark chocolate" marketing campaign: http://www.nugonutrition.com/dark-chocolate-deception/Wrote the PHP plugin to power the American Kennel Club's "find a match" app: http://www.akc.org/find-a-match/#slide1</div> <div><div><i>Student Developer</i> Yale Student Technology Collaborative</div><div>Summer 2014 - Present</div><ul style="list-style-type: none">Lead developer for the Yale College Council's surveying app, designed to make it easier for students to express their opinions to student government.</div>
SKILLS	Proficient: Java, C, Python. Familiar: Javascript, basic data analysis with R, git version control, Scheme, and HTML/CSS.
PROJECTS	Ribosomal Footprint Alignments tool: A Java package that improves the accuracy of transcript-to-read matching in ribosome footprint data. Star-API: A RESTful API that parses and distributes the Hayden Planetarium Digital Universe data set as JSON. http://star-api.herokuapp.com/ YCC Pulse: An application that will serve as the basis for a mobile-centered campus polling mechanism for the Yale College Council (YCC) and other departments. Educational simulations: http://goo.gl/oaQitg , http://goo.gl/ONkOSx
ACCOLADES	Hack the Universe My team won first place in the 'web-toolkit' category for our Star-API at the 2014 Hack the Universe hackathon at the AMNH.