

# JEREMY NATHANIEL SMITH

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## RELEVANT SKILL SET

- Advanced Econometric Analysis
  - Knowledge of Excel, Stata, R and Python
  - Equity Valuation and Portfolio Management
  - Financial Engineering
  - Fluent in Spanish
  - Leadership and Project Management Experience
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## EDUCATION

UNIVERSITY OF CALIFORNIA SANTA CRUZ

*Master of Science -Applied Economics and Finance*

Class of 2017

UNIVERSITY OF CALIFORNIA SANTA CRUZ

*Bachelor of Arts -Math and Economics*

Class of 2016

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## EXPERIENCE

UNIVERSITY OF CALIFORNIA SANTA CRUZ

*Field Study Analysis*

Mar 2017 - Jun 2017

- Working in conjunction with the City of Santa Cruz Planning Department to produce an academic analysis of downtown parking supply and demand dynamics.
- Implementing multinomial logit regressions to evaluate variable pricing effects on commute modes.
- Examining the viability of transportation design management techniques to mitigate the need for heavy infrastructure investment.

DALE CONSTRUCTION - WINDSOR, CA

*Senior Associate*

Jan 2012 - Sep 2014

- Playing an integral role in overseeing the daily operations of full service construction company, from client relations, and architectural plan production, to working as intermediary expediting engineering approval.
- Supervising junior construction crews and working as a liaison between independent contractors.
- Architectural plan optimization, purchasing materials, handling invoices, aiding in tax preparation.

*Junior Associate*

Jun 2006 - Jan 2012

- Construction, painting, minor electrical, concrete work, job site preparation and plan duplication.
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## EXTRACURRICULARS

*Chartered Financial Analyst Institute Research Challenge*

Jan 2017

- Produced an extensive equity evaluation report of HP Inc using a free cash flow model, running Monte Carlo simulations, and performing risk scenario analysis.

*Omicron Delta Epsilon*

Mar 2017

- Amongst the founding members of the international honors economic society at University of California Santa Cruz
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## COURSE WORK

*Math and Statistics*

- Probability Theory, Statistics, Real Analysis, Calculus, Linear Algebra, and Proofs.

*Advanced Econometrics*

- Generalize linear regression, non-parametric regression, instrumental variables, regression discontinuity, granger causality and time series, survival analysis, ARIMA and GARCH process's, bootstrapping, clustering, cross validation, data visualization.

*Financial Engineering*

- Asset evaluation models, portfolio diversification and risk management, bond immunization, Black Scholes options pricing, hedging with futures, interest rates swaps, binomial trees, Ito process's, and CAPM.